Safety at Height

Working at height is defined as any working place where, if protection is not taken, a person could fall causing serious injuries or death.

Safety at Height

Miller® provides safety at height products: personal fall protection equipment, engineered fall arrest systems, collective fall prevention/barrier, solutions, professional services including, training, audits, consulting, product, inspection and repairs.

For over 65 years, products labeled with the Miller brand have protected those working at height in a wide range of industries including: construction, oil and gas, telecommunications, wind energy, transportation, mining, general industry, utilities and more.

Harnesses p. 322

- Fall arrest harnesses p. 323
- Special fall arrest harnesses p. 326
- Work positioning harnesses p. 329
- Suspension harnesses p. 335
- Work positioning belts p. 337
- Technical guide p. 338

Self retracting lifeline p. 340

- Self retracting lifeline cable p. 341
- Self retracting lifeline webbing p. 343
- Technical guide p. 348

Lanyards p. 350

- Rope shock-absorbing lanyards p. 351
- Webbing shock-absorbing lanyards p. 352
- Forked webbing lanyards p. 353
- Restraint lanyards p. 354
- Work positioning lanyards p. 355
- Miller Manyard® lanyard p. 358
- Miller Barracuda™ scaffolding lanyard p. 358
- Edge-tested Manyard® lanyard p. 359
- Technical guide p. 360

Rope and cable fall arresters p. 362

Connectors p. 364

Anchorage points p. 366

Rescue & evacuation p. 371

Confined space p. 377

Fall arrest kits p. 379

Accessories p. 383

Services p. 387

Permanent Fall Arrest Systems p. 388

Miller… Synonymous with Safety, Quality, Reliability and Innovation.

SAFETY AT HEIGHT

European legislation states that fall protection measures must be put in place by the employer of any person working at a height where a fall hazard exists. The regulation also requires that people involved in work at height are competent to do so or if in training, are supervised by a competent person. If it is not feasible to eliminate the hazard using a collective system then personal protective equipment (PPE) must be selected and used. It could be for restraint, work positioning, rescue or fall arrest purposes. This system consists of a full body harness, an intermediate attachment and an anchorage connector. The systems can only be used if a suitable anchorage point is located close to the work area.

Miller products are designed and tested by full-time, qualified engineers and technicians at a state-of-the-art, in-house testing facility, which not only verifies that specific standards are achieved but often tests beyond the standards to assure the ultimate in safety performance. In addition, core Miller products are third-party tested by independent sources to further certify compliance. Honeywell Safety Products has successfully earned and continues to retain ISO 9001 certification at its manufacturing facilities. Miller has undergone the most stringent requirements for design and development, production and service, proof of our unwavering and ongoing commitment to consistent quality products and services.

Miller products are developed in collaboration with workers to fit to their need to provide innovative solutions.

With our goal of being your comprehensive problem-solving provider, we are committed to meet your fall protection needs with innovative safety solutions mixing products and services such as training, hazards identification and tailor made products.

With sales offices and training centres throughout the world, Miller is supported at a local level by our highly trained field sales force and dedicated technical support and customer service resources assuring reliable solutions to the most complex and technical requests.

Fall Protection Fundamentals

STANDARDS*

EN12841/C	Rope access systems: back-up devices
EN 341	Descenders
EN 353-1	Guided Type Fall Arresters Rigid Anchorage Line and Rails
EN 353-2	Guided Type Fall Arresters Flexible Anchorage Line
EN 354	Lanyards
EN 355	Shock Absorbers
EN 358	Work Positioning Systems
EN 360	Retractable Type Fall Arresters
EN 361	Full Body Harness
EN 62	Connectors
EN 795(b)	Anchorage Devices – Class B
EN 813	Sit Harness
EN 363	Fall Arrest Systems

HARNESS TYPE	European Standart	Work Restraint	Work Positioning	Fall Arrest	Work in Suspension	Rescue
Work Positioning Belt	EN 358	ok	ok	-	-	-
Full Body Harness	EN 361	ok	-	ok	-	-
Full Body Harness	EN 361/ EN 358	ok	ok	ok	-	-
MultifunctionFull Body Harness	EN 358/ EN 813 EN 361	ok	ok	ok	ok	ok

WORKING AT HEIGHT CATEGORIES

Your working at height environment reflects the equipment that must be used. The categories summarised below have been defined by European Standards and are used as the base for work at height operations.

FALL ARREST

Equipment used to stop falling worker in the event of a fall from height.

Typical Fall Arrest System consists of:
- Anchor devices.
- Full body harness.
- Connecting devices.

RESCUE

Rescue & Evacuation of an injured high access worker is mandatory consideration for work at height operations.

Typical Rescue System consists of:
- Rescue & evacuation device.

WORK POSITIONING*

Equipment holding an operator in their place of work.

Typical Work Positioning System consists of:
- Anchor devices.
- Full body harness with a positioning belt.
- Connecting devices (work-positioning lanyard).

WORK IN SUSPENSION*

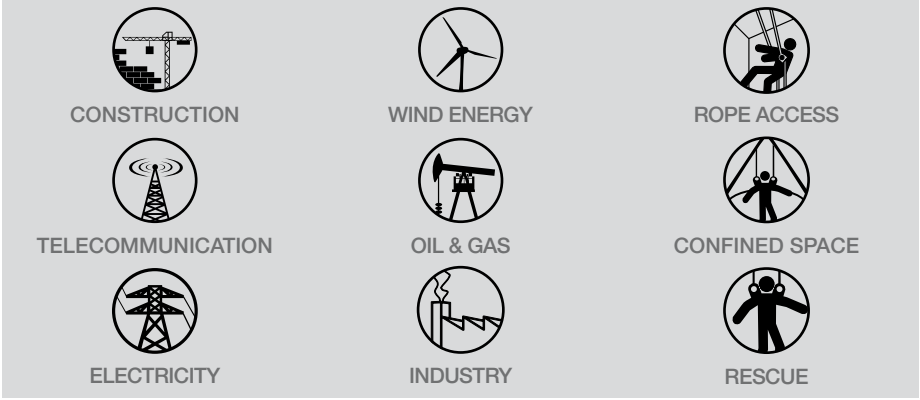
Designed to lower and support a worker, allowing a hands free work environment.

Typical Suspension System consists of:
- Anchor devices.
- Full body harness.
- 2 ropes: equipped with a descender, equipped with a rope grab.

WORK RESTRAINT

Equipment used to prevent the worker from approaching a position from which they can fall.

Typical Work Restraint System consists of:
- Anchor devices.
- Work restraint belt or full body harness.
- Connecting devices (restraint lanyard).

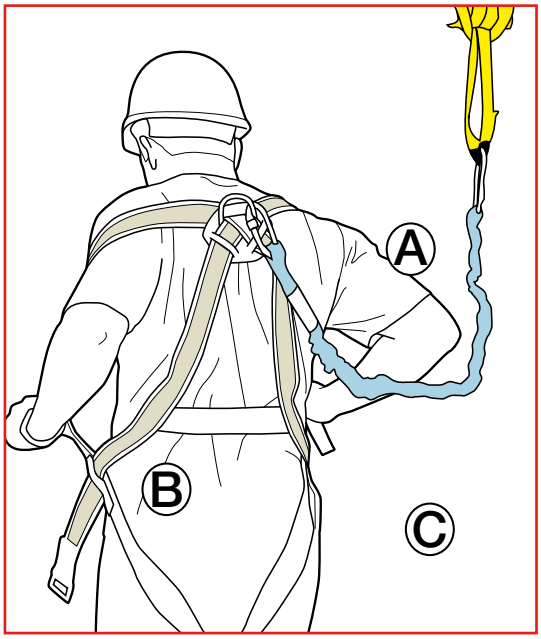


* The positioning and suspension systems are not designed for Fall Arrest. A back-up Fall Arrest system must be used.

Introduction to Safety at Height basics

The ABC's

A simple way of remembering the core components of a fall arrest system is the "ABC" of Fall Arrest. Quite simply, without one part, the system does not work.



Ⓐ ANCHOR DEVICES

Definition: Used to join the connecting device (work restraint, fall arrester) to the anchorage, commonly referred to as the "tie-off point" (I-beam, scaffolding or other structural point).

Anchor devices may be one of the 2 types:

- Permanent anchor devices (e.g. horizontal cable lifeline, horizontal rail systems...).
- Temporary anchor devices (e.g. steel strops, scaffold hooks, webbing anchorage slings, beam grips and dead-weight anchor...).

Ⓑ FULL BODY HARNESS

Definition: Used to hold a worker during & after a fall.

- Full body harness must be worn for Fall Arrest situations.
- Work restraint belts cannot be used for Fall Arrest.

Ⓒ CONNECTING DEVICES

Definition: Used as intermediate attachment to connect the worker's harness to the anchor device (e.g. shock absorbing lanyard, self retracting lifeline, fall limiter, rope grab etc.).

Connecting devices may be one of the 2 types:

- Fall Restraint: a fall restraint system prevents workers from reaching a hazard.
- Fall Arrest: a fall arrest system allows workers to reach a hazard and then protects them if they should fall.

Life cycle of fall protection equipment

Please consult for detailed information the dedicated product user manual.

A. For our products made up mainly of textiles (harnesses, lanyards, SRL with webbing[3])

The maximum life cycle has been set at ten years from the date of production. This, without environmental factors[1] and particular cases of use[2] of the fall protection equipment. An annual inspection done by a competent person (trained for PPE inspections) is mandatory.

B. For our products made up mainly of metal (Cable SRL, karabiners)

We do not indicate a life cycle; the latter can be unlimited, as the product undergoes regular maintenance (at least once a year). In case of doubt or damage, the device has to be sent for expert inspection/repair to a local Miller Service Point or the Factory. For products not subject to maintenance (non workable), the life cycle is a maximum of ten years[1, 2].

C. HELMETS

The maximum life cycle has been set at five years from the manufacturing date

[1] **Environmental factors:** contact with chemicals, improper storage, exposure to strong sources of heat > 50°C, ultraviolet rays, abrasion, etc.

[2] **Particular cases of use:** deterioration of the product, arresting falls, mechanical deformation, when accidental dropping, early wear, intensity of use and poor conditions of use. In all cases, our products must be verified annually.

[3] **Except for Miller Falcon 6m webbing :** Replacement of the webbing kit every 5 years from manufacturing date. Annual expert inspection by a Miller Service Point or the Factory is required.

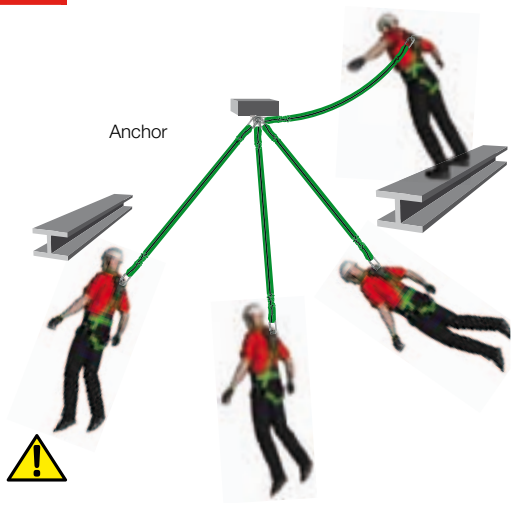
Understand your fall factors to reduce the risks!

Getting to grips with the work hazards!

There are three fall factors in fall arrest that relate to the position of the anchorage point. They are used to determine the potential fall distance of a worker and so ensure that there is no risk of contact with the lower level in the event of a fall. When possible, the worker should always use an anchorage point at shoulder level or above (Factor 1 or 0). A higher anchorage point will reduce the fall distance and therefore significantly reduce the risk of injury on the body due to the impact forces of a fall.

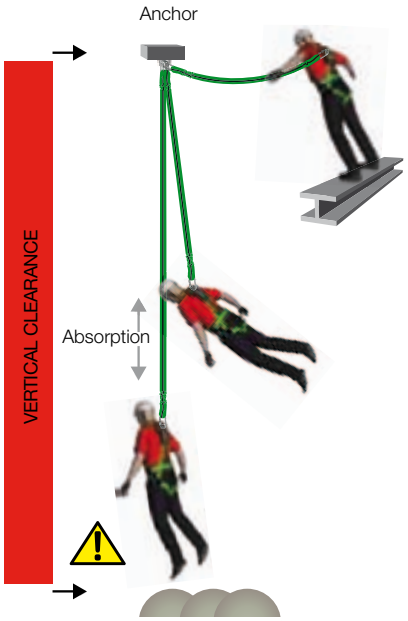
THE PENDULUM EFFECT

When the lifeline is not anchored vertically over the work place, the worker will pendulum in the event of a fall and may be injured by hitting the ground or an obstacle to the side. If it is not possible to use an anchorage point close to the work station, two anchorage points either side of the worker can be used to prevent any swing.



FALL CLEARANCE CALCULATIONS

This is the distance a person will fall when connected to a fall arrest attachment point. It is related to the Fall Factors (see Fall factor). Many situations can develop and it is ultimately the responsibility of the worker to ensure that there is a suitable fall clearance available. In order to calculate this, the worker must know the distances specified below, and it is also strongly recommended they attend a Miller safety at height training course.



The calculation below gives the minimum vertical clearance required between the anchorage point of the lanyard and the lower level.

Length of lanyard
+ Fully activated energy absorber
+ Body height from feet to harness attachment
+ Additional safety clearance

Examples :

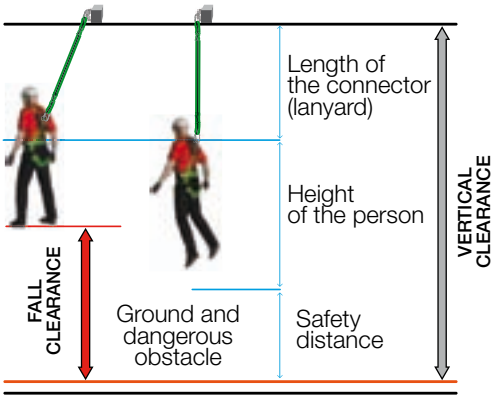
Calculations using the following length lanyards are as follows:

- 2m lanyard: 2m (lanyard length) + 1.75m (energy absorber) + 2m (body height) + 1m safety = 6.75m
- 1.5m lanyard: 1.5m (lanyard length) + 1.5m (energy absorber) + 2m (body height) + 1m safety = 6m

Understand your fall factors to reduce the risks!

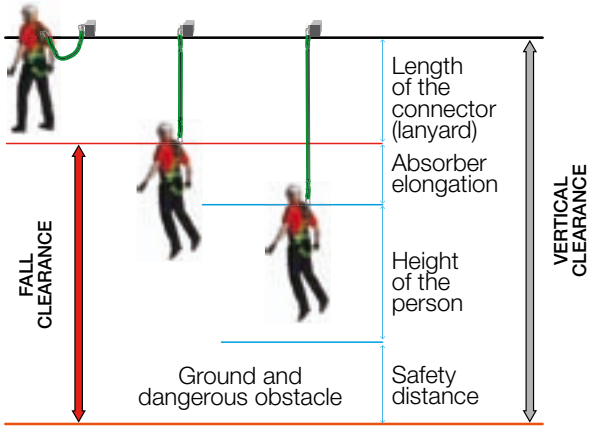
FALL FACTOR 0

Anchorage is overhead and the lanyard is taut between the anchorage point and the worker.
The fall clearance is reduced as shown.



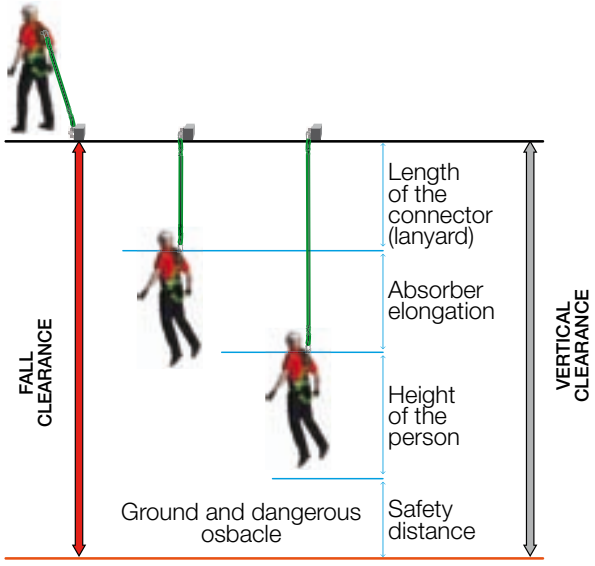
FALL FACTOR 1

Anchor point is level or above the harness attachment point allowing a fall equivalent to the length of the lanyard before the energy absorber deploys to arrest the fall.



FALL FACTOR 2

Anchor point is at or below the feet of the worker allowing a fall equivalent to twice the length of the lanyard before the energy absorber deploys to arrest the fall.



IF IN DOUBT: FALL LIMITERS REDUCE FALL CLEARANCE < 3M

A fall limiter or self-retracting lifeline will stop a fall in centimetres and is therefore the ideal solution for low-level work where a shock-absorbing lanyard is unable to stop the worker from hitting an obstacle below.

Harnesses

Miller harness features

ADJUSTMENT BUCKLES

MATING BUCKLE

To connect the mating buckle, push the centre bar buckle completely through the square link and allow it to fall into place. Pull web end to tighten.

QUICK-CONNECT BUCKLE

For belt, waist and leg straps interlock for quick easy donning and feature a dual-tab release mechanism to prevent accidental opening.

CAM BUCKLE

The locking tabs of the cam buckle trap the webbing to prevent unintentional slippage. Lift the locking tab for easy, one-hand adjustment/release. Promotes proper snug fit, will not slip or misadjust.

WEBBING

DUALTECH™ WEBBING

Donning made easy with two-sided, contrasting colour webbing and textures.
- Webbing engineered with shape retention memory for a more comfortable fit.
- Unique circular tack provides greater strength, and contrasting colours make inspection easier.

DURAFLEX® WEBBING

- Patented elastomer webbing specially formulated to stretch with the user's movements so there is no bunching or binding.

ANCHORAGE POINTS

How to determine an anchorage point ?
1 point = dorsal anchorage
2 point = dorsal and sternal anchorage
3 point = dorsal, sternal and ventral anchorage
+ workpositioning = 2 side anchorage points

SIDE D-RINGS ON BELT

A work-positioning lanyard is attached to the side D-rings to enable the operator to work with his hands free. These are not suitable for fall arrest.

FRONT D-RINGS AND FRONT ANCHORAGE LOOPS

Used for a comfortable, fall arrest anchorage point, usually in conjunction with a guided type fall arrester. Used for a variety of confined space, rescue, climbing.

BELT, LEG & SEAT STRAP

A padded belt is recommended for work positioning. The greater support increases worker productivity. Padded leg straps for suspension work: it distributes the load across the buttocks and back. Seat strap for worker comfort during prolonged periods of work in suspension.

Fall arrest harnesses

Fall Protection is about protecting people who are working at height. Falls from height are the second most common cause of accidents in the work place and cost significant amounts every year to employers. The purpose of a fall arrest system is to safely stop a fall from height and to hold the worker until he can be recovered. A full body harness that conforms to EN 361 is the form of body wear used in fall arrest applications.

DURAFLEX® MA08

2 point - Front and rear anchorage

FEATURES & BENEFITS

Benefits: Elasticated webbing

- Greater comfort.
- Increase durability.

Features: Stretch webbing

- DuraFlex® elastomer webbing.
- Webbing repels water, oil, grease and dirt.
- Manual chest and leg buckles.
- 2 sternal D-rings.

Ref.	Size
10 028 54	S
10 028 53	M/L
10 049 59	XXL

Conforms to EN 361

MILLER REVOLUTION™ COMFORT R2

Quick fitting harness with 8 unique innovations
2 point - Dorsal D-ring and front anchorage loops

FEATURES & BENEFITS

Benefits: Conforms to users movements

- Rotating PivotLink connections at waist level.
- Full freedom of movement.
- Integrated accessories system.
- Custom identification labels.

Features: Turning point in design

- Elasticated DuraFlex® webbing*.
- ErgoArmor™ padded back shield.
- Quick fixing Cam buckles for easy fit.
- Quick connect buckles at chest & leg.
- Web finials to store spare webbing.
- Self-contained label pack.

Ref.	Description	Size
10 142 36	DuraFlex® stretch webbing	S/M
10 142 37	DuraFlex® stretch webbing	L/XL
10 142 38	DuraFlex® stretch webbing	XXL**

Ref.	Description	Size
10 142 39	DualTech webbing	S/M
10 142 40	DualTech webbing	L/XL
10 142 41	DualTech webbing	XXL**

Conforms to EN 361

*Available in Dualtech webbing
**Made on demand

Fall arrest harnesses

DURAFLEX® MA04

2 point - Front and rear anchorage.

FEATURES & BENEFITS

Benefits: Elasticated webbing
- Greater comfort.
- Increase durability.

Features: Stretch webbing
- DuraFlex® elastomer webbing.
- Webbing repels water, oil, grease and dirt.
- Front anchorage soft webbing loops.

Ref.	Description	Size
10 076 11	Quick-connect buckles	M/L
10 076 12	Quick-connect buckles	XL

Ref.	Description	Size
10 028 50	Manual chest and leg buckles	S
10 028 49	Manual chest and leg buckles	M/L

Conforms to EN 361

TITAN™

2 point - Front and rear anchorage (front webbing loops).

FEATURES & BENEFITS

Benefits: Lightweight
- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Ref.	Size
10 118 91	Unique

Conforms to EN 361

Features: Ensuring safety and compliance in the workplace
- Durable polyester webbing.
- Sub-pelvic strap keeps the wearer upright.
- Manual chest and leg buckles.
- 45 mm chest strap with metal buckle.

TITAN™

Cost effective choice for fall protection.
1 point - Rear anchorage.

FEATURES & BENEFITS

Benefits: Lightweight
- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Ref.	Size
10 118 90	Unique

Conforms to EN 361

Features: Ensuring safety and compliance in the workplace
- Durable polyester webbing.
- Sub-pelvic strap keeps the wearer upright.
- Manual chest and leg buckles.
- 45 mm chest strap with metal buckle.

DURAFLEX® MA02

1 point - Rear anchorage.

FEATURES & BENEFITS

Benefits: Elasticated webbing
- Greater comfort.
- Increase durability.

Ref.	Description
10 028 48	S
10 028 47	M/L

Features: Stretch webbing
- DuraFlex® elastomer webbing.
- Webbing repels water, oil, grease and dirt.
- Manual chest and leg buckles.

Fall arrest harnesses

RITE ON

NORTH by Honeywell

1 point - Comfortable vest style heavy duty harness.

FEATURES & BENEFITS

Benefit:

- Shoulder strap for easy dorsal fittings.

Features:

- Vest style harness.
- Durable chemical resistant polyester webbing.
- Breathable contoured backpack.
- Quick release connectors.
- Extended D-ring.

Ref.
FPFV81F/1EDBA

Conforms to EN 361

LIGHT HARNESS NYLON EXTEND

NORTH by Honeywell

3 point - A vertical safety wire/rail system, confined space

FEATURES & BENEFITS

Benefits:

- A lightweight harness.
- Sliding dorsal D-ring for a confortable fit.

Features:

- Sternal loops and pass through leg connectors.
- The flat bar buckles are easy to use and fail safe.

Ref.	Size
FPFV701/3ED*	L

Conforms to EN 361

*ED = extended D-ring

LIGHT HARNESS NYLON

NORTH by Honeywell

3 point - Fall arest, descent, rescue, vertical wire/rail system, confined space

FEATURES & BENEFITS

Benefits:

- A lightweight harness.
- Sliding dorsal D-ring for a confortable fit.
- The shoulder straps and the height of the chest strap are adjustable.

Features:

- Harness with 3 anchorage points: back D-ring and at the front 2 sternal loops.
- The flat bar buckles are easy to use and fail safe.

Ref.	Size
FPFV702/3D	L

Conforms to EN 361

Special fall arrest harnesses

For specific requirements: welding, ATEX, wind energy…

KEVLAR®*

Ideal solution for welding, firefighting.
1 point - Rear anchorage D-ring.

FEATURES & BENEFITS

Benefits: Strength and high temperature resistance

- Nomex®* webbing protects against weld spatter and sparks.
- Contrasting colours which facilitate inspection.
- Maximum temperature: 177°C.

Features: Exceptional heat and fire resistance

- Blue Nomex® flame-retardant webbing.
- Yellow Kevlar® inner core.
- Sub-pelvic strap.
- Adjustable leg straps.
- Manual chest and leg buckles.
- Clips on shoulder straps for lanyard when not in use.

Ref.	Description	Size
10 123 33	751K Single adjustment	S/M
10 123 34	751K Single adjustment	L/XL
10 123 35	751K Single adjustment	XXL

Ref.	Description	Size
10 123 36	650K Adjustable shoulder	S/M
10 123 37	650K Adjustable shoulder	L/XL
10 123 38	650K Adjustable shoulder	XXL

The Kevlar harness conform to EN 361(2002), ANSI, OSHA

*KEVLAR and Nomex are registered trademarks of E. I. Du Pont de Nemours and company.

ATEX ANTISTATIC

The solution for work at height in explosive atmospheres.
2 point - Dorsal anchorage (webbing extension and loop) and sternal (with webbing loops).

FEATURES & BENEFITS

Benefits:

- Prevents the risks of ingnition caused by electrostatic discharge.
- Dorsal extension strap facilitates connection.
- Detachable dorsal pad facilitates harness donning.

Features: Increase security

- Anti-static material.
- Sub-pelvic strap.
- Protective back pad.
- Adjustable shoulder straps.
- Adjustable leg straps with quick-connect buckles.

Ref.	Size
10 150 74	S/M
10 150 75	L/XL
10 305 10	XXL

Certified and complies with EN 361 (2002) and EN ATEX 13463-1 (2001)
Additional ATEX solutions available on demand

Special fall arrest harnesses

DURAFLEX® STRETCH VEST HARNESS

Engineered for optimal performance in all conditions.
2 point + workpositioning - Front and rear anchorage (front webbing loops).

FEATURES & BENEFITS

Benefits: High visibility
- Lightweight, durable polyester vest jacket.
- Multiple adjustments for perfect fit.
- Excellent chemical and abrasion resistance.

Features: Highly comfortable and practical vest
- Front zipper.
- Multiple pockets.
- Shoulder padding.
- Lateral loops for tool bags.
- Press studs between lining and jacket.

Harnesses with quick connect buckles:

Ref.	Description	Size
10 068 82	Black vest harness DuraFlex®	M/L
10 075 50	Black vest harness DuraFlex®	XL
10 100 40	Hi-Vis vest harness DuraFlex® - Yellow	M/L
10 103 26	Hi-Vis vest harness DuraFlex® - Yellow	XL
10 146 30	Hi-Vis vest harness DuraFlex® - Orange	M/L
10 146 31	Hi-Vis vest harness DuraFlex® - Orange	XL

Harnesses with manual Buckles:

Ref.	Description	Size
10 134 54	Yellow vest harness DuraFlex®	M/L
10 134 55	Yellow vest harness DuraFlex®	XL

Conforms to EN 361 and EN 471 Class 2 (for HI-VIS option).

Special fall arrest harnesses

MILLER REVOLUTION™ R7 OFFS

Designed for highly corrosive offshore and coastal environments including wind energy and petrochemical industries.
2 point + workpositioning - Front and rear anchorage (front webbing loops) and workpositioning side D-rings.

FEATURES & BENEFITS

Benefits: High corrosion resistance and reinforced harness

- Protection with PVC coating on back and sides D-rings.
- Fall indicator at dorsal D pad.
- Stand up D function for easy connection
- Stitched A security marking for anchorage at back and chest points.
- Foldable side D-ring.
- Additional elastic keepers on shoulder strap.
- Longer stitching on the belt pad for greater strength.
- Custom identification labels on back housing.
- Back Pad with V shape.
- Self contained label pack.

Features: High resistant components

- 316 L Stainless steel PivotLink™.
- DualTech™ polyamide/polyester webbing.
- ErgoArmor™ padded back shield.
- Positioning belt.
- Quick-connect buckles on legs straps, belt & chest strap in anodized aluminium.
- Shoulder aluminium CAM buckle adjustment for easy fit.
- Back tool rings.

Ref.	Size
10 148 07/OFFS	S/M
10 148 08/OFFS	L/XL
10 148 09/OFFS	XXL

Multi standards compliance: CE, ANSI/OSHA, CSA, AS/NZS

MILLER REVOLUTION™ ACCESSORIES
SEE P 385 - 386

MILLER REVOLUTION™ R7 WIND

Ideal for work at height on onshore wind energy applications.
2 point + workpositioning - Front and rear anchorage (front webbing loops) and workpositioning side D-rings.

FEATURES & BENEFITS

Benefits: High safety and comfort level

- Fall indicator at dorsal D pad.
- Stand up D function for easy connection.
- Stitched A security marking for anchorage at back and chest points.
- Longer stitching on the belt pad for greater strength.
- Back pad with 'V' shape.
- Additional elastic keepers on shoulder strap.
- Custom identification labels on back housing.
- Self contained label pack.

Features: Comfort and durability

- Galvanised steel Pivot Link™.
- Polyester webbing.
- Shoulder strap adjustment with mating buckle.
- Chest strap mating buckle.
- Automatic steel quick connect buckle on legs and waist strap.
- Positioning belt.
- ErgoArmor™ padded back shield
- Back tool rings.

Ref.	Size
10 148 07/WIND	S/M
10 148 08/WIND	L/XL
10 148 09/WIND	XXL

Multi standards compliance: CE, ANSI/OSHA, CSA, AS/NZS

Fall arrest/Work positioning harnesses

A work positioning systems is designed to hold a worker in a secure, hands-free working position and is used in conjunction with a fall protection system. A fall can occur while working and this is why a work positioning system is a combination of the fall arrest harnesses that complies with EN 361 together with a work positioning system to EN 358.

ELASTOTRANS

Suitable for work on pylons.
2 point + workpositioning - Rear, 2 front anchorages and workpositioning side D-rings.

FEATURES & BENEFITS

Benefits: Reduces fatigue
- Full freedom of movement for access.
- Hands-free position.
- Excellent support for suspension.

Features: Comfort and freedom of movement
- Work positioning belt and leg straps.
- Stretchable shoulder straps.
- Ergonomically designed back-padding and padded leg straps.
- Quick-connect buckles for easy fit.
- Rear anchorage extension webbing.

Ref.	Size
10 030 29	S
10 030 28	M/L
10 030 30	XL

Conforms to EN 361 and EN 358

RM

The perfect compromise between freedom of movement and excellent support for suspension.
3 point + workpositioning - Rear and sternal anchorage, ventral anchorage loops and workpositioning side anchorage.

FEATURES & BENEFITS

Benefits: Stretch webbing
- Greater freedom of movement.
- Comfort with reduced fatigue.
- Excellent support for work in suspension.

Features: Easy fitting
- Work positioning belt and sit harness function.
- Elasticated webbing on shoulder straps.
- Lightweight and easy-to-fit.
- Quick connect buckles at legs and waist.
- Padded belt and leg straps.

Ref.	Size
10 034 38	S
10 034 39	M/L

Conforms to EN 361, EN 358 and EN 813

Fall arrest/Work positioning harnesses

TOWER

Heavy-duty harness, designed for excellent comfort and support.
3 point + workpositioning - Rear and front anchorage (karabiner for fall arrest and ventral D-ring for access work) and workpositioning side D-rings.

FEATURES & BENEFITS

Benefits:

- Belt and sit harness function.
- Belt prevents back injuries and promotes productivity.

Features:

- Ventral anchorage point for work in suspension.
- High-quality, resistant webbing for increased durability.
- Work-positioning belt.
- Padded leg straps for enhanced comfort during suspension work.
- Back and shoulder pads.

Ref.	Size
10 117 70	S
10 062 55	M

Conforms to EN 361, EN 358 and EN 813

DURAFLEX® MA58

2 points + workpositioning - Rear and front anchorages with workpositioning belt.

FEATURES & BENEFITS

Benefits: Elasticated webbing

- Greater comfort.
- Increase durability.

Features: Stretch webbing

- DuraFlex® elastomer webbing.
- Webbing repels water, oil, grease and dirt.
- Work positioning belt with 2 side D-rings.
- Manual buckles at chest and legs.
- 2 Sternal D-rings.

Ref.	Size
10 028 58	S
10 028 57	M/L
10 049 54	XXL

Conforms to EN 361 and EN 358

Fall arrest/Work positioning harnesses

MILLER REVOLUTION™ PREMIUM R3

Waist level:
for bending
or crouching

Ergonomic fit when bending or crouching.
2 point + workpositioning - Dorsal D-ring front anchorage loops and workpositioning belt.

FEATURES & BENEFITS

Benefits: Quick fitting harness

- Rotating PivotLink™ connections at **waist level.**
- Easy fit when bending or crouching.
- Full freedom of movement.
- Custom identification labels.
- Fixed work positioning belt.

Features: Easy adjustment

- Dualtech™ webbing with shape retention memory.
- ErgoArmor™ padded back shield.
- Shoulder CAM buckles for easy fit.
- Quick Connect Buckles at legs, belt & chest.
- Web finials to store spare webbing.
- Self-contained label pack.
- Integrated accessories system.

Ref.	Description	Size
10 142 42	DualTech webbing	S/M
10 142 43	DualTech webbing	L/XL
10 142 44	DualTech webbing	XXL**

Conforms to EN 361 and EN 358

MILLER REVOLUTION™ ACCESSORIES
SEE P 385 - 386

MILLER REVOLUTION™ PREMIUM R5

Hip level:
for ascending
or descending

Smoother movement when ascending or descending.
2 point + workpositioning - Dorsal D-ring front anchorage loops and workpositioning belt.

FEATURES & BENEFITS

Benefits: Stretch to users movements

- Rotating PivotLink™ connections at **hip level.**
- Easy movement for ascent or descent.
- Full freedom of movement.
- Custom identification labels.
- Rotating work positioning belt for hands free.

Features: Reduce user fatigue

- Elasticated DuraFlex® webbing* stretches to users movements.
- ErgoArmor™ padded back shield.
- Shoulder CAM buckles for easy fit.
- Quick Connect Buckles at legs, belt & chest.
- Web finials to store spare webbing.
- Self-contained label pack.
- Integrated accessories system.

Ref.	Description	Size
10 142 51	DuraFlex® webbing	S/M
10 142 52	DuraFlex® webbing	L/XL
10 142 53	DuraFlex® webbing	XXL**

Ref.	Description	Size
10 142 54	DualTech webbing	S/M
10 142 55	DualTech webbing	L/XL
10 142 56	DualTech webbing	XXL**

Conforms to EN 361 and EN 358

*Available in dualtech webbing
**Made on demand

PivotLink

Fall arrest/Work positioning harnesses

ELASTOKUIK COMFORT

Offers full freedom of movement for access and excellent support for work.
2 point + workpositioning - Rear, front and work positioning side anchorages (front anchorage loops) with belt.

FEATURES & BENEFITS

Benefits: Padding to support hands free position

- Excellent freedom of movement and extended reach.
- Easy to fit.
- Moving shoulder straps increases comfort and flexibility.

Features: Comfort

- Rotating work-positioning belt.
- Stretchable shoulder straps move with the worker.
- Quick-connect buckles.
- Comfortable back-padding in cordura.

Ref.	Size
10 030 23	S
10 030 22	M/L
10 030 24	XL

Conforms to EN 361 and EN 358

ELASTOLIGHT

Perfect solution for work positioning and access.
2 point + workpositioning - Rear, front and work positioning side anchorages (front anchorage loops) with belt.

FEATURES & BENEFITS

Benefits:

- Provide greater freedom of movement and comfort for enhanced productivity.
- Comfortable back-padding for work-positioning.
- Easy shoulder adjustments.

Features:

- Stretchable shoulder straps.
- Manual buckles at chest, belt and legs.
- Padded belt.

Ref.	Size
10 060 77	S
10 060 76	M/L

Conforms to EN 361 and EN 358

Fall arrest/Work positioning harnesses

KUIK TST

Enhance operator's comfort and freedom of movement at work.
2 point + workpositioning - Rear and front anchorages (front anchorage loops) and work positioning side D-rings with belt and semi-rigid seat strap.

FEATURES & BENEFITS

Benefits: Optimum freedom of movement

- Work positioning belt allows 180° rotation.
- Full freedom of movement with maximum reach.
- Shoulder straps stretch with the user.
- Seat strap ensures optimum comfort.
- Reduces fatigue.

Features: Increases user confidence

- 180° rotating work-positioning belt.
- Rigid seat strap.
- Belt and seat webbing straps move simultaneously.
- Stretchable shoulder straps.
- Quick-connect buckles for easy fit.

Ref.	Size
10 030 18	S
10 030 17	M/L

Conforms to EN 361 and EN 358

DURAFLEX® MA60

The choice for greater mobility and extreme comfort.
3 point + workpositioning - Rear and front anchorage with dorsal, sternal, ventral and workpositioning side anchorage with belt.

FEATURES & BENEFITS

Benefits: Elasticated webbing

- Greater comfort.
- Increase durability.

Features: Stretch webbing

- DuraFlex® elastomer webbing.
- Front anchorage webbing loops.
- Webbing repels water, oil, grease and dirt.
- Work positioning belt with 2 side D-rings.

Ref.	Size
10 051 37	S
10 051 36	M/L
10 124 63	S
10 124 62	M/L
10 131 16	XL

Padded legstraps

Ref.	Size
10 051 37	S
10 051 36	M/L
10 124 63	S
10 124 62	M/L
10 131 16	XL

Conforms to EN 361 and EN 358

Fall arrest/Work positioning harnesses

TITAN™

2 point + workpositioning - Rear anchorage with work positioning belt.

FEATURES & BENEFITS

Benefits: Lightweight
- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Features: Ensures safety and compliance in the workplace
- Durable polyester webbing.
- Front webbing loops.
- Sub-pelvic strap keeps the wearer upright.
- 45mm chest strap with metal buckle.
- Manual buckles.

Ref.	Size
10 118 94	Unique

Conforms to EN 361 and EN 358

TITAN™

Cost effective for work positioning.
1 point + workpositioning - Front and rear anchorages with work positioning belt.

FEATURES & BENEFITS

Benefits: Lightweight
- Fully adjustable design so one size fits all.
- Sliding back D-ring for a comfortable fit.

Features: Ensures safety and compliance in the workplace
- Durable polyester webbing.
- Sub-pelvic strap keeps the wearer upright.
- 45mm chest strap with metal buckle.
- Manual buckles.

Ref.	Size
10 118 93	Unique

Conforms to EN 361 and EN 358

Suspension harnesses

A sit harness is used to suspend the operator in a comfortable work position with maximum freedom of movement. When there is the risk of a fall the operator should wear a full body harness. The sit harness conforms to EN813 and optionally EN 358. A full body harness conforms to EN 361 and may also fulfil a work positioning function in accordance with EN 358 and/or EN813.

Suspension system: *The forces are split between the leg straps and the waist belt rather than being concentrated on the legs, thus providing enhanced ergonomics and increased user comfort whilst reducing the risk of suspension trauma.*

ROPAX

Innovation and technology dedicated to rope access and rescue combining suspension comfort with freedom of movement.

FEATURES & BENEFITS

Benefits: Perfect Fit

- Adjustment webbing straps between the leg straps and the belt.
- V Shape prevents straps from digging and causing irritation.
- Excellent lumber support and comfort.
- Clip-on design safely organises webbing after proper adjustment.
- Increased comfort in suspension.
- Triangular suspension to minimise discomfort and suspension trauma.

Features: New triangular suspension position

- Shoulder straps in V shape.
- Adjustable webbing sling.
- Extra-wide padded belt.
- Foldable side D-rings.
- Web finials.
- 3 large gear loops.
- Left & right tags to facilitate donning.
- Padded leg straps.

An additional webbing sling positions the ascender tight against the chest to facilitate ascension.

WITH Quick-connect buckles

Ref.	Description	Size
10 144 32	Black polyester webbing	S/M
10 144 33	Black polyester webbing	L/XL

WITH MANUAL BUCKLES

Ref.	Description	Size
10 144 34	Black polyester webbing	S/M
10 144 35	Black polyester webbing	L/XL

WITH Quick-connect buckles

Ref.	Description	Size
10 151 10	DualTech webbing with shape retention memory	S/M
10 151 11	DualTech webbing with shape retention memory	L/XL

Conforms to EN 361, EN 358 and EN 813

4 points Suspension System

2 Webbing options:
• DualTech webbing with shape retention memory
• Resistant black polyester webbing
V Shapes to prevent straps from digging
Extra wide padded belt
Side D-rings
Padded leg strap
Left & Right tags

Options

ERGOSOFT DORSAL PAD

Designed to protect the back and facilitate harness donning.

- Protects against impacts and abrasion.
- Mesh membrane allows superior air flow.
- The transversal pad is fitted to the dorsal pad.

Ref.
10 152 05

TRANVERSAL PAD

Used in conjunction with dorsal pad, it allows the user to adopt a semi-reclined work position without straining the abdominals

- Fully adjustable, the transversal pad clips onto the ErgoSoft dorsal pad and connects to the climbing line by means of a karabiner.
- The sliding belt offers a greater freedom of movement and reach.

Ref.
10 152 06

Suspension harnesses

IBX2R FULL BODY HARNESS

Designed for specialists working hands-free at height or in rescue.
3 point + workpositioning - Rear, sternal and ventral anchorage (loops) and workpositioning side anchorage with belt and padded leg straps.

FEATURES & BENEFITS

Benefits: Excellent suspension comfort

- Belay connection link distributes the loads to larger muscle groups.
- Reduces discomfort.
- Minimises suspension trauma.
- Easy to fit.

Features: Fall arrest and work-positioning

- Ventral and sternal front webbing loops anchorages.
- Anchorage point for a descender and fall arrest device.
- Advanced buckling system.

Ref.	Description	Size
10 073 86	With tools system	S
10 070 22	With tools system	M/L
10 073 87	With tools system	XL
10 102 69	With tools system	M/L (black)

Conforms to EN 361, EN 358 and EN 813

Ref.	Description	Size
10 070 21	Without tools system	M/L

RAM

Flexible sit harness is suitable for for mountain rescue technicians where the harness is worn for short durations only sit Harness.

FEATURES & BENEFITS

Benefits: Comfortable work position

- Easy to fit.
- Belay connection link distributes the loads to larger muscles groups.
- Minimises discomfort and suspension trauma.
- Padding provides excellent support and comfort during suspension.

Features: Sit harness

- Waist belay loop for rescue and rope access.
- Padded belt and leg straps.
- Belt with equipment loops.
- Lightweight.

Ref.	Size
10 073 90	S
10 070 25	M/L
10 073 91	XL

Conforms to EN 813

Ref.	Size
10 102 51	S
10 102 52	M/L
10 102 53	XL

Conforms to EN 813

Work positioning belts

Miller offers a range of heavy-duty work-positioning belts designed to support the user in a hands-free work position at height. These belts can be used on their own when there is no risk of a fall, or alternatively in conjunction with a harness for fall arrest protection.

TITAN™ WORK POSITIONING BELT

2 Side D-rings.

Ref.	Size
10 082 32	Unique

Conforms to EN 358

FEATURES & BENEFITS

Benefits:

- Lightweight.
- 2 Stainless steel side D-rings for use with positioning lanyard.

Feature:

- Belt and webbing in polyester.

520 WORK POSITIONING BELT

Ideal for comfortable hands-free work positioning at height
2 Side D-rings rings

Ref.	Size
10 063 19	M
10 063 20	L

Conforms to EN 358

FEATURES & BENEFITS

Benefit:

- Allows good freedom of movement.

Features:

- 100mm wide padded belt.
- Quick-connect buckle.
- 2 large side D-rings for use with positioning lanyard.

522 WORK POSITIONING BELT

2 Side D-rings.

Ref.	Size
10 063 21	M
10 063 22	L

Conforms to EN 358

FEATURES & BENEFITS

Benefits:

- Increased comfort and reduced fatigue when working for long hours.
- Belt can be fitted with shoulder straps to relieve the load on the user's hips.
- 2 side D-rings for use with positioning lanyard.

Features:

- Heavy-duty synthetic back-support
- 200mm wide comfort back pad with quick-connect buckle.
- Fitted with loops for tool bags and accessories.

Technical guide

NAME	STANDARD	REF.	SIZES	ANCHORAGE POINT				WEB	BUCKLES			
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest
TITAN™ range												
TITAN™	EN 361	1011890	unique	•				Polyester			Manual	Manual
TITAN™	EN 361	1011891	unique	•	•			Polyester			Manual	Manual
TITAN™ + positioning belt	EN 361, EN 358	1011893	unique	•			•	Polyester			Manual	Manual
TITAN™ + positioning belt	EN 361, EN 358	1011894	unique	•	•		•	Polyester			Manual	Manual
DURAFLEX® RANGE												
DuraFlex® MA02	EN 361	1002848	S	•				DuraFlex	-		Manual	Manual
		1002847	M/L	•				DuraFlex	-		Manual	Manual
DuraFlex® MA04	EN 361	1002850	S	•	•			DuraFlex	Manual		Manual	Manual
		1002849	M/L	•	•			DuraFlex	Manual		Manual	Manual
DuraFlex® MA04 Quick-connect buckles	EN 361	1007611	M/L	•	•			DuraFlex	Manual		Automatic	Manual
		1007612	XL	•	•			DuraFlex	Manual		Automatic	Manual
DuraFlex® MA08	EN 361	1002854	S	•	•			DuraFlex	Manual		Manual	Manual
		1002853	M/L	•	•			DuraFlex	Manual		Manual	Manual
		1004959	XXL	•	•			DuraFlex	Manual		Manual	Manual
DuraFlex® MA60 + positioning belt	EN 361, EN 358	1005137	S	•	•	•	•	DuraFlex	Manual	Manual	Manual	Manual
		1005136	M/L	•	•	•	•	DuraFlex	Manual	Manual	Manual	Manual
		1012463	S	•	•	•	•	DuraFlex	Manual	Automatic	Automatic	Manual
		1012462	M/L	•	•	•	•	DuraFlex	Manual	Automatic	Automatic	Manual
		1013116	XL	•	•	•	•	DuraFlex	Manual	Automatic	Automatic	Manual
		1031000	XS	•	•	•	•	DuraFlex	Manual	Manual	Automatic	Manual
		1031001	S/M	•	•	•	•	DuraFlex	Manual	Manual	Automatic	Manual
		1031002	L/XL	•	•	•	•	DuraFlex	Manual	Manual	Automatic	Manual
		1031003	XXL	•	•	•	•	DuraFlex	Manual	Manual	Automatic	Manual
DuraFlex® MA58 + positioning belt	EN 361, EN 358	1002858	S	•	•		•	DuraFlex	Manual		Manual	Manual
		1002857	M/L	•	•		•	DuraFlex	Manual		Manual	Manual
		1004954	XXL	•	•		•	DuraFlex	Manual		Manual	Manual
Hi Visibility vest DuraFlex® - Yellow	EN 361, EN 471 Class 2	1010040	M/L	•	•			DuraFlex	Manual		Automatic	Manual
		1010326	XL	•	•			DuraFlex	Manual		Automatic	Manual
Hi Visibility vest DuraFlex® - Orange	EN 361, EN 471 Class 2	1014630	M/L	•	•			DuraFlex	Manual		Automatic	Manual
		1014631	XL	•	•			DuraFlex	Manual		Automatic	Manual
Hi Visibility vest DuraFlex® + positioning belt	EN 361, EN 358, EN 471 Class 2	1013454	M/L	•	•	•	•	DuraFlex	Manual		Manual	Manual
		1013455	XL	•	•	•	•	DuraFlex	Manual		Manual	Manual
Black Vest DuraFlex®	EN 361	1006882	M/L	•	•			DuraFlex	Manual		Automatic	Manual
		1007550	XL	•	•			DuraFlex	Manual		Automatic	Manual
REVOLUTION™ RANGE												
Miller Revolution™ R2	EN 361	1014236	S/M	•	•			DuraFlex	CAM		Automatic	Automatic
		1014237	L/XL	•	•			DuraFlex	CAM		Automatic	Automatic
		1014238	XXL	•	•			DuraFlex	CAM		Automatic	Automatic
Miller Revolution™ R2	EN 361	1014239	S/M	•	•			Dualtech	CAM		Automatic	Automatic
		1014240	L/XL	•	•			Dualtech	CAM		Automatic	Automatic
		1014241	XXL	•	•			Dualtech	CAM		Automatic	Automatic
Miller Revolution™ R3 Dualtech	EN 361, EN 358	1014242	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014243	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014244	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
Miller Revolution™ R5 DuraFlex®	EN 361, EN 358	1014251	S/M	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
		1014252	L/XL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
		1014253	XXL	•	•		•	DuraFlex	CAM	Automatic	Automatic	Automatic
Miller Revolution™ R5 Dualtech	EN 361, EN 358	1014254	S/M	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014255	L/XL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014256	XXL	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
WIND INDUSTRY												
Miller Revolution™ R7 OFFS	EN 361, EN 358, OSHA/ANSI/ CSA/AS/NZ	1014807/WIND	S/M (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
		1014808/WIND	L/XL (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
		1014809/WIND	XXL (US)	•	•		•	Polyester	Manual	Automatic	Automatic	Manual
Miller Revolution™ R7 OFFS	EN 361, EN 358, OSHA/ANSI/ CSA/AS/NZ	1014807/OFFS	S/M (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014808/OFFS	L/XL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic
		1014809/OFFS	XXL (US)	•	•		•	Dualtech	CAM	Automatic	Automatic	Automatic

Technical guide

NAME	STANDARD	REF.	SIZES	ANCHORAGE POINT				WEB	BUCKLES			
				Dorsal	Sternal	Ventral	Side		Shoulder	Belt	Leg	Chest
ROPAX RANGE												
Ropax Dualtech	EN 361, EN 358, EN 813	1015110	S/M	•	•	•	•	Dualtech	Manual	Manual	Automatic	
		1015111	L/XL	•	•	•	•	Dualtech	Manual	Manual	Automatic	
Ropax - Quick connect buckle	EN 361, EN 358, EN 813	1014432	S/M	•	•	•	•	Black polyester	Manual	Manual	Automatic	
		1014433	L/XL	•	•	•	•	Black polyester	Manual	Manual	Automatic	
Ropax manual buckle	EN 361, EN 358, EN 813	1014434	S/M	•	•	•	•	Black polyester	Manual	Manual	Manual	
		1014435	L/XL	•	•	•	•	Black polyester	Manual	Manual	Manual	
ATEX CERTIFIED												
Antistatic ATEX	EN 361, ATEX 94/9/CE	1015074	S/M	•	•			Polyester Antistatic	Manual		Automatic	Automatic
		1015075	L/XL	•	•			Polyester Antistatic	Manual		Automatic	Automatic
KEVLAR - FLAMED RESISTANT												
Kevlar	EN 361	1012333	S/M	•				Nomex	-		Manual	Manual
		1012334	L/XL	•				Nomex	-		Manual	Manual
		1012335	XXL	•				Nomex	-		Manual	Manual
Kevlar + adjustable shoulder strap	EN 361	1012336	S/M	•				Nomex	Manual		Manual	Manual
		1012337	L/XL	•				Nomex	Manual		Manual	Manual
		1012338	XXL	•				Nomex	Manual		Manual	Manual
TECHNICAL HARNESS												
Elastokuik comfort	EN 361, EN 358	1003023	S	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
		1003022	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
		1003024	XL	•	•		•	Polyamide	Manual	Automatic	Automatic	Automatic
Kuik TST	EN 361, EN 358	1003018	S	•	•		•	Polyamide	Manual	Automatic	Automatic	
		1003017	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	
Elastotrans	EN 361, EN 358	1003028	M/L	•	•		•	Polyamide	Manual	Automatic	Automatic	
		1003029	S	•	•		•	Polyamide	Manual	Automatic	Automatic	
		1003030	XL	•	•		•	Polyamide	Manual	Automatic	Automatic	
Elastolight	EN 361, EN 358	1006077	S	•	•		•	Polyamide	Manual	Manual	Manual	
		1006076	M/L	•	•		•	Polyamide	Manual	Manual	Manual	
RM	EN 361, EN 358	1003438	S	•	•	•	•	Polyamide	Manual	Automatic	Automatic	
		1003439	M/L	•	•	•	•	Polyamide	Manual	Automatic	Automatic	
Tower	EN 361, EN 358, EN813	1011770	S	•	•	•	•	Polyester	Manual	Manual	Manual	
		1006255	M	•	•	•	•	Polyester	Manual	Manual	Manual	
		1006256	L	•	•	•	•	Polyester	Manual	Manual	Manual	
IBX2R (black)	EN 361, EN 358, EN 813	1010269	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
IBX2R	EN 361, EN 358, EN 813	1007022	M/L	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
		1007386	S	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
		1007387	XL	•	•	•	•	Polyester	Manual	Manual	Manual	Manual
RAM sit Harness	EN 813	1007025	M/L			•		Polyester		Manual	Manual	
		1007390	S			•		Polyester		Manual	Manual	
		1007391	XL			•		Polyester		Manual	Manual	
RAM sit Harness (black)	EN 813	1010252	M/L			•		Polyester		Manual	Manual	
RITE ON NORTH												
Rite On	EN 361	FPFV81F/1EDBA		•				Polyester	Manual		Manual	Automatic
LIGHT HARNESS NYLON NORTH												
Light harness nylon extend	EN 361	FPFV701/3ED*	L	•	•			Nylon			Manual	Manual
Light harness nylon	EN 361	FPFV702/3D	L	•	•			Nylon			Manual	Manual

*ED = extended D-ring

Self retracting lifelines

Blocks

MILLER SELF RETRACTING LIFELINES FEATURES

SWIVEL

Prevent damage to the lifeline from twisting during use and binding inside of the unit.

WEBBING

Lightweight and high abrasion resistance.

FALL INDICATOR

Highly visible fall indicator at the snap hook identifies when the unit needs to be removed from service.

EDGE TESTED

Innovative technology for working on edges featuring web with special heat and cut resistance.

ENERGY ABSORBER

Reduces the fall arrest forces in case of a all, located on the lifeline.

SCAFF HOOK

Large opening karabiners allow connecting the self retracting lifeline to a large range of anchorage point.

CABLE GALVANISED OR STAINLESS STEEL

Cable and karabiners are treated to prevent from corrosion and rusting and extend service life.

Self retracting lifelines

Self-retracting lifelines are mechanical devices with quick-activating braking system that limits a free fall to centimetres, with reduced fall arrest forces making this especially suitable for low-space fall clearance. The automatic retractable cable allows freedom of movement for workers who need to move relatively quickly up and down on a worksite. Miller® offers the most comprehensive range of fall arrest blocks including robust lightweight composite blocks, heavy-duty fall arrest and rescue models with metallic housing and choice of lifeline materials: webbing, stainless steel, and galvanised steel with lengths available from 2m to 40m.

FALCON™ BLOCK

The safest, most robust and comprehensive range of composite retractable lifelines on the market. 6.2m to 20m - Cable self-retracting lifeline.

FEATURES & BENEFITS

Benefits: Increase durability

- Smooth round edges increase durability.
- Stops the fall within a few centimetres for a quick and safe rescue.
- Lightweight, robust composite unit.
- Easy-to-install.
- Tested and approved for horizontal applications*.
- No annual factory re-certification required** – Lowers cost of ownership and increases productivity.
- Lifetime housing guarantee***.

Features: Easy adjustment

- Quick-activating braking mechanism.
- Highly visible fall indicator.
- Screwgate karabiner.
- Dual stainless steel swivels (unit top and snaphook).
- Corrosion-resistant stainless steel and aluminium internal components.
- High impact resistant nylon housing.
- Ergonomically designed moulded handle (15 & 20m models).
- Unique side payout design reduces wear on the entry guide bushing and cable.

REF.	CABLE LENGTH METERS	CABLE	CONNECTORS				WEIGHT KG	DIMENSIONS MM
			TOP		BOTTOM	SNAP HOOK WITH FALL INDICATOR		
			KARABINER	SWIVEL	SWIVEL			
1011728	6.2	Galvanised	•	•	•	Steel	4	255 x 213 x 101
1011742	10	Galvanised	•	•	•	Steel	5	255 x 213 x 101
1011746	15	Galvanised	•	•	•	Steel	6.7	342 x 246 x 101
1011750	20	Galvanised	•	•	•	Steel	7.6	342 x 246 x 101
1011729	6.2	Stainless steel	•	•	•	Steel	4	255 x 213 x 101
1011743	10	Stainless steel	•	•	•	Steel	5	255 x 213 x 101
1011747	15	Stainless steel	•	•	•	Steel	6.7	342 x 246 x 101
1011751	20	Stainless steel	•	•	•	Steel	7.6	342 x 246 x 101
1013960	6.2	Stainless steel			•	Stainless steel	4	255 x 213 x 101
1012261	10	Stainless steel			•	Stainless steel	5	255 x 213 x 101
1012262	15	Stainless steel			•	Stainless steel	6.7	342 x 246 x 101
1012263	20	Stainless steel			•	Stainless steel	7.6	342 x 246 x 101
ATEX								
1017921	10	Stainless steel	•		•	•	5	255 x 213 x 101
OFFSHORE KIT								
1030222	20	Stainless steel	•	•	•	Stainless steel	7.6	342 x 246 x 101
+ polyamide red rope Ø6mm, + red protective bag								

* When used with the appropriate manufa cturer recommended equipment.

** The CE standard requires inspection by a trained competent person, following the Miller Repa ir Guide.

*** When used under typical working conditions.

Additional models are available upon request. Please contact our technical service.

Conforms to EN 360

Self retracting lifelines

BLACK RHINO™ BLOCK

Designed to endure the daily rigours of harsh environments.
2.7m – stainless steel cable lifeline.

FEATURES & BENEFITS

Benefits: The smallest and lightest 2.7-metre cable lifeline on the market
- No annual factory re-certification required* – lowers cost of ownership and increases productivity.
- Corrosion-resistant components.
- Meets all applicable global industry standards.

Features:
- Quick-activating braking system in high strength stainless steel.
- Integrated fall indicator.
- Integrated internal shock absorber.
- Aluminium housing and hub.

Ref.	Description
10 124 10	Black Rhino with swivel screwgate karabiner and swivel snap hook (22mm)
10 123 92	Black Rhino with swivel scaffold hook (65mm) and swivel snap hook (22mm)

Conforms to EN 360

MIGHTYLITE™ BLOCK

Heavy-duty blocks for harsh conditions and tough environment.
6.2m to 40m – Cable self retracting lifeline.

FEATURES & BENEFITS

Benefit: For harsh conditions and tough environment
- Heavy-duty performance from a compact and easy-to-use block.

Features: Lightweight composite blocks with heavy-duty fall arrest
- Available with webbing, galvanised or stainless steel cable.
- Lifeline available in 6.2 to 40m.
- Pressed steel housing.
- Stainless steel springs.
- Integrated fall indicator.

REF.	MIGHTYLITE STEEL HOUSING			CABLE			HANDLE
				STAINLESS STEEL	GALVANISED	WEBBING	
	MODEL	LENGTH (M)	WEIGHT (KG)	Ø 4.8MM	Ø 4.8MM	25MM	
10 045 92	MI55	15	9.5	•			•
10 045 93	MI56	20	14.9	•			•
10 045 94	MI57	30	19	•			•
10 045 95	MI58	40	23.6	•			•
10 028 20	MI50	6.2	4		•		
10 045 71	MI54	10	5.6		•		
10 045 73	MI55	15	9.5		•		•
10 045 72	MI56	20	14.9		•		•
10 045 74	MI57	30	19		•		•
10 045 75	MI58	40	23.6		•		•
10 028 27	MI70	6.2	3.5			•	
10 028 28	MI71	15.5	9.4			•	

Conforms to EN 360

MIGHTEVAC® RESCUE BLOCK

FEATURES & BENEFITS

Benefits: Heavy duty performance
- Easy-to-use
- Used in conjunction with the Miller Tripod and dedicated brackets to form the core of a stable and secure confined entry/rescue system. (For more details, see page 377)
- *Conforms to EN 360*

* The CE standard requires inspection by a trained end-user competent person, following the Miller Repair Guide.

Self retracting lifelines

TURBOLITE™ BLOCK

Best alternative to shock-absorbing lanyards used in Factor 2.
2m – Self retracting webbing lifeline.

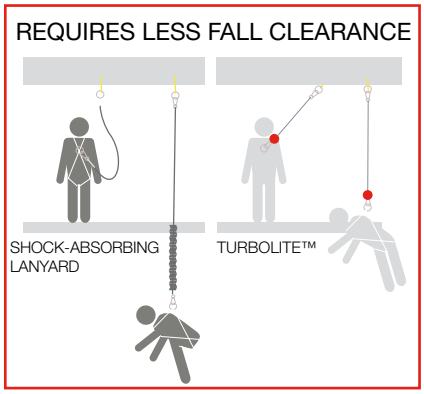
FEATURES & BENEFITS

Benefits: Usable in fall factor 2
- Compact & lightweight.
- Low space clearance of 1.80m compared to 2.50m for a shock-absorbing lanyard (fall factor 0).
- Adapted to all situations when working with low space clearance.
- Can be used in Fall Factor 2 (below the back D-ring and not lower than foot level).
- Can be used on both ways around
- Rated for up to a 100kg user in fall factor 2 (140kg in fall factor 0 and 1).
- Abrasion resistance and long service life.
- No annual factory recertification required.

Features: Compact and lightweight 0.86kg
- Built-in web fall indicator identifies when to remove from service.
- Quick activating patent pending braking system.
- Provides 2m working capacity lifeline.
- Engineered webbing (vectran/polyester webbing) for greater abrasion resistance and long service life.
- Built-in swivel prevents lifeline from twisting during use.
- High-strength, impact-resistant nylon housing for maximum durability.
- Meets all applicable OSHA, ANSI A10.32 and Z359-2007, and CSA standards.

Ref.	Webbing side	Block side
10 180 15	Twistlock	Twistlock
10 180 13	Scaff hook (65mm)	Twistlock
10 180 14	Twistlock	Scaff hook (65mm)
10 179 00	Snap hook (21mm)	Twistlock (21mm)

Conforms to EN 360



TWIN TURBO™ SYSTEM

An effective solution when working with low fall clearance

FEATURES & BENEFITS

Benefits: Replacement for double-legged shock-absorbing lanyards
- Easily adapts two (2) lightweight Miller TurboLite™.
- For continuous 100% tie-off.
- Easy-to-use and assemble/disassemble.
- Easily remove TurboLite from D-Ring. connector for inspection/cleaning/replacement.

Features: Patent Miller Twin Turbo™ D-Ring connector
- Innovative design that easily connects to the back D-ring of any full body harness.
- Increases worker productivity and versatility with freedom of movement.
- Permits TurboLite to swivel in multiple directions for greater mobility.
- Swivel action prevents webbing from twisting and binding inside the unit.
- Webbing payout smoothly extends and retracts without interruption.
- Weight bracket: 0.395kg.
- Weight: Twin Turbo: 2.1kg.

Ref.	Description
10 297 15	Twin Turbo bracket
10 297 16	Twin Turbo bracket & two TurboLite 1018013 with 2 aluminium scaff hook

Conforms to EN 362: 2004 (OSHA 1926.502, 1910.66; ANSI Z359-2007 and A10.32 et CSA Z259.12-01)

* The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.

Self retracting lifelines

Edge-tested personal fall limiter!

Whilst the risk of failure on an edge is often present during work at height, this hazard is relatively unknown. Miller developed a solution to this problem with the Scorpion™ Edge-Tested Personal Fall Limiter to ensure safety in the event of a fall on edges!

SCORPION™ EDGE BLOCK

Inexpensive alternative for single energy absorbing lanyard.
2.7m – Edge tested retractable webbing lifeline.

FEATURES & BENEFITS

Benefits: Extremely robust and lightweight
- Reduces the impact forces due to a fall to under 6kN.
- Reduces the risk of tripping or snagging
- Eliminates the need for an extended fall distance clearance.
- Housing and internal components are corrosion resistant.
- No annual factory re-certification required* – lowers cost of ownership and increases productivity.

Features: Resistant to fall over an edge
- Extremely robust and lightweight.
- Quick-activating braking mechanism limits a free fall to centimetres.
- Visual fall indicator – indicates the unit must be removed from service.
- Corrosion-resistant internal parts.
- High impact polymer cover.
- Stainless steel/aluminium components.
- Swivel at the top of unit to prevent lifeline from twisting during use.
- Weight: 1.750kg.

Scorpion™	Anchorage connector		Harness connector
1016840	Steel screwgate karabiner		Steel snap hook
1016841	Scaffold hook, (opening 63 mm)		Aluminium screwgate karabiner
1016842	Steel scaffold hook, (opening 55 mm)		Steel snap hook

SCORPION™ BLOCK

Affordable alternative to shock-absorbing lanyards requiring reduced fall clearance.
2.7m - 2.8m – Self retracting webbing lifeline.

FEATURES & BENEFITS

Benefits: Reduced fall arrest forces
- Unique snap-hook design for easy attachment to harness D-ring.
- Eliminates the need for an extended fall distance clearance.
- The retractable lifeline reduces the risk of tripping or snagging.
- No annual factory re-certification required* – lowers cost of ownership and increases productivity.

Features: Greater mobility and prevents tripping hazards
- Quick-activating, high-strength stainless steel braking system.
- Compact and lightweight (1.6kg).
- Visual fall indicator – indicates when the unit must be removed from service.
- Corrosion-resistant internal parts.
- High impact polymer cover.
- Stainless steel/aluminium body.
- Lifeline material: polyamide webbing.
- Swivel at the top of unit to prevent lifeline from twisting during use.

Scorpion™	Length	Anchorage connection	Harness connection
10 085 88	**2.8m**	Scaff hook (65mm)	Automatic karabiner
10 085 87	**2.7m**	Screw karabiner	Automatic karabiner
10 085 94	**2.8m**	Automatic karabiner (65mm)	Scaff hook
10 085 93	**2.7m**	Automatic karabiner (65mm)	Automatic karabiner

Conforms to EN 360

*The CE standard requires inspection by a trained competent person, following the Miller Repair Guide.

Self retracting lifelines

FALCON™ BLOCK

6m-Self retracting webbing lifeline

FEATURES & BENEFITS

Benefits: Increased Service Life
- Nylon casing comes with a lifetime guarantee.
- Best length/weight ratio on the market (6m unit weighs only 1.5kg).

Features:
- Lightest, most compact 6m web self-retracting lifeline.
- Quick activating braking mechanism.
- Webbing provides extremely high abrasion resistance (tested > 20,000 cycles).
- Offers Xtreme durability with a strong, composite housing.
- Swivel at the top of unit to prevent lifeline from twisting during use.

Ref.	Anchorage connection	Harness connection
10 167 93	Swivel	-
10 167 94	Scaff hook (65mm)	Screwgate
10 167 95	Screwgate	Screwgate
10 167 96	Screwgate	Snap hook (22mm)

Conforms to EN 360

AVIABLOC

1.5m and 2.5m – Retractable polyamide webbing lifeline

FEATURES & BENEFITS

Benefits:
- Working capacity of 2.5m maximum.
- Reduces the impact force of a fall.
- Integrated shock-absorber.
- Swivel at the harness connexion side to avoid twisting of the webbing.

Ref. Housing	Length	Anchorage connection	Harness connection
10 030 59	**1.5m**	Sgk*	Sgk*
10 028 71	**2.5m**	Sgk*	Sgk*
10 108 93	**2.5m**	Snap hook	Sgk*
10 083 32	**2.5m**	-	-

Ref. No Housing	Length	Anchorage connection	Harness connection
10 083 31	**2.5m**	Sgk*	Sgk*
10 083 30	**2.5m**	-	Sgk*

Conforms to EN 360 *Sgk: screw gate karabiner

MINILITE™

Fall arrest block with a quick-activating braking system that limits free falls
3.3m – Self retracting webbing lifeline

FEATURES & BENEFITS

Benefits:
- Increased freedom of movement.
- Long product durability.
- Lightweight.
- No annual factory re-certification required* – Lowers cost of ownership and increases productivity.

Features:
- High-impact composite housing and corrosion resistant interior, frame and components.
- High-strength stainless steel quick activating braking system that limits free fall to centimeters.
- Lightweight, compact design that fits in the palm of your hand, only 1.1kg.
- Visual fall indicator - indicates when the unit must be removed from service.

Ref. Housing	Length	Anchorage connection	Harness connection
10 061 00	**MI10 – 3.1m**	CS20	Swivel snap hook (18mm)
10 061 01	**MI11 – 3.3m**	Swivel scaff hook (50mm)	Snap hook (18mm)
10 061 02	**MI12 – 3.1m**	CS20	Snap hook (18mm)

Conforms to EN 360

*The ce standard requires inspection by a trained competent person, following the miller repair guide.

Self retracting lifelines

DURALITE II & III

NORTH by Honeywell

Until now fall arrest blocks were either relatively heavy and serviceable, or light weight and disposable. The North's Duralite range combines the best of both. A composite housing and Dyneema web lanyard result in a low weight. The high tensile, non-corrosive metal parts result in a fully serviceable unit with a long lifetime. North's Duralite range has a built-in energy absorber. The dyneema webbing is cut resistant. The Duralite range can be used for various applications like ladder climbing, industrial maintenance, warehousing, etc.

FEATURES & BENEFITS

Benefit:

- Cut resistant.
- Light weight.
- Swivel to prevent webbing from twisting (Auto inline positioning).

Features:

- Lanyard - Polyester + Dyneema cut resistant webbing.
- Servicable.
- Plastic housing.
- Housing - Glass filled Nylon*
- Bolts - Stainless steel
- Hook: either aluminium + stainless steel or zinc plated steel
- Internal parts - Stainless steel + Aluminium + glass filled

Duralite II

Duralite III

DURALITE II

Ref.	Designation	Length	Anchorage connexion	Weight	Shock absorber
840700.W6	Duralite FP1/306W alloy hook	6m	Aluminium double action snaphook	2.525kg	Internal
840700.W6S	Duralite FP1/306W steel hook	6m	Steel double action snaphook	2.525kg	Internal

DURALITE III

Ref.	Designation	Length	Anchorage connexion	Weight	Shock absorber
840800.W3ASA	Duralite III alu hook + SA	3.6m	Aluminium double action snaphook	1.100kg	External
840800.W3SSA	Duralite III steel hook + SA	3.6m	Steel double action snaphook	1.100kg	External

Conforms to EN 360 CSA Z259.2.2 98 / ANSI Z359.1-92

*Technical Performance
Maximum arrest-force: 4 KN (for 0 cm free fall)
Maximum arrest-force: 6 KN (for 60 cm free fall)
Maximum working load: 150 Kg

Training for work at height

Reduce accidents and increase compliance!

Honeywell provides a complete range of industrial safety at height and rescue training services which can be tailored to your needs. Many applications are covered including wind energy, utilities, oil and gas, construction, transportation to name a few. Training courses can be delivered either at your work site or at a Honeywell venue. Inspection and repair programmes are also available.

Honeywell

For further information, please contact the training department
by telephone: + 44 (0) 1256 693 200
or email: info-uk.hsp@honeywell.com

Visit www.honeywellsafety.com
©2013 Honeywell International Inc. All rights reserved.

Self retracting lifeline

LENGTH	REF.	STANDARD	CABLE		WEBBING	FALL FACTOR	ANCHORAGE CONNECTION		HARNESS CONNECTION		FALL INDICATOR	WEIGHT
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness connection		
FALCON™												
6.2m	1011728	EN 360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	4kg
10m	1011742	EN 360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	5kg
15m	1011746	EN 360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg
20m	1011750	EN 360	•			0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg
6.2m	1011729	EN 360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	4kg
10m	1011743	EN 360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	5kg
15m	1011747	EN 360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	6.7kg
20m	1011751	EN 360		•		0 - 1 - 2	Screwgate	•	•	Steel snap hook	At snap hook	7.6kg
6.2m	1028680	EN 360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	4kg
10m	1028681	EN 360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	5kg
15m	1028682	EN 360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	6.7kg
20m	1028683	EN 360		•		0 - 1 - 2		•	•	Stainless steel snap hook	At snap hook	7.6kg
10m	1017921	ATEX					Screwgate	•	•	Steel snap hook	At snap hook	5kg
Note: Factor 2 only with steel sling												
BLACK RHINO												
2.7m	1012410	EN 360		•		0 - 1	Screwgate	•	•	Steel snap hook	At snap hook	2kg
2.7m	1012392	EN 360		•		0 - 1	Scaffold hook	•	•	Steel snap hook	At snap hook	2.3kg
MIGHTYLITE												
6.2m	1002820	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	4kg
10m	1004571	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	5.6kg
15m	1004573	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	9.5kg
20m	1004572	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	14.9kg
30m	1004574	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	19kg
40m	1004575	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	23.6kg
15m	1004592	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	9.5kg
20m	1004593	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	14.9kg
30m	1004594	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	19kg
40m	1004595	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	23.6kg
6.2m	1002827	EN 360			•	0 - 1			•	Steel snap hook	At snap hook	3.5kg
15.5m	1002828	EN 360			•	0 - 1			•	Steel snap hook	At snap hook	9.4kg
MIGHTY EVAC												
15m	1005149	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	13.5kg
30m	1005160	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	24.7kg
40m	1005161	EN 360	•			0 - 1			•	Steel snap hook	At snap hook	27.6kg
15m	1014390	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	11.2kg
30m	1014370	EN 360		•		0 - 1			•	Steel snap hook	At snap hook	18.5kg
TURBOLITE												
2m	1018015	EN 360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Screwgate	Web shock absorber	0.86kg
2m	1018013	EN 360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Scaffold hook	Web shock absorber	0.86kg
2m	1018014	EN 360. ANSI. OSHA			•	0 - 1 - 2	Scaffold hook	•		Screwgate	Web shock absorber	0.86kg
2m	1017900	EN 360. ANSI. OSHA			•	0 - 1 - 2	Screwgate	•		Steel snap hook	Web shock absorber	0.86kg

Self retracting lifeline

LENGTH	REF.	STANDARD	CABLE		WEBBING	FALL FACTOR	ANCHORAGE CONNECTION		HARNESS CONNECTION		FALL INDICATOR	WEIGHT
			Galvanised	Stainless Steel			Karabiner	Swivel	Swivel	Harness connection		
TWIN TURBO												
2m	1029716	EN 360. ANSI. OSHA			•		Twin turbo D-Ring			2 x Scaffold hook	Web shock absorber	2.1kg
FALCON™												
6m	1016793	EN 360			•	0		•				1.5kg
6m	1016794	EN 360			•	0	Scaffold hook	•		Screwgate		1.9kg
6m	1016795	EN 360			•	0	Screwgate	•		Screwgate		1.6kg
6m	1016796	EN 360			•	0	Screwgate	•		Snap hook		1.6kg
SCORPION™												
2.8m	1008588	EN 360			•	0 - 1	Scaffold hook	•		Snap hook	Web shock absorber	2kg
2.7m	1008587	EN 360			•	0 - 1	Screwgate	•		Snap hook	Web shock absorber	2kg
2.8m	1008594	EN 360			•	0 - 1	Screwgate	•		Scaffold hook	Web shock absorber	2kg
2.7m	1008593	EN 360			•	0 - 1	Snap hook	•		Scaffold hook	Web shock absorber	2kg
SCORPION™ EDGE TESTED												
2.7m	1016840	EN 360:2002; CNB/P/11.060			•	0 -1 -2	Screwgate	•		Snap hook	Web shock absorber	1.5kg
2.7m	1016841	EN 360:2002; CNB/P/11.060			•	0 -1 -2	Scaffold hook	•		Screwgate	Web shock absorber	1.75kg
2.7m	1016842	EN 360:2002; CNB/P/11.060			•	0 -1 -2	Scaffold hook	•		Snap hook	Web shock absorber	1.75kg
MINILITE												
3.1m	1006100	EN 360			•	0 - 1	Screwgate	•		Snap hook	Web shock absorber	1.1kg
3.3m	1006101	EN 360			•	0 - 1	Scaffold hook		•	Snap hook	Web shock absorber	1.1kg
3.1m	1006102	EN 360			•	0 - 1	Screwgate			Snap hook	Web shock absorber	1.1kg
AVIABLOC												
1.5m	10 030 59	EN 360			•	0 - 1	Screw gate karabiner			Sgk*	Web shock absorber	1.195kg
2.5m	10 028 71	EN 360			•	0 - 1	Screw gate karabiner			Sgk*	Web shock absorber	1.370kg
2.5m	10 108 93	EN 360			•	0 - 1	Snap hook			Sgk*	Web shock absorber	1.520kg
2.5m	10 083 32	EN 360			•	0 - 1	-			-	Web shock absorber	0.985kg
2.5m	10 083 31	EN 360			•	0 - 1	Screw gate karabiner			Sgk*	Web shock absorber	0.920kg
2.5m	10 083 30	EN 360			•	0 - 1	-			Sgk*	Web shock absorber	0.885kg
DURALITE II NORTH												
6m	840700. W6	EN 360 CSA Z259.2.2 98 / ANSI Z359.1-92			•		Aluminium double action			-	Web shock absorber (Internal)	2.525kg
6m	840700. W6S	EN 360 CSA Z259.2.2 98 / ANSI Z359.1-92			•		Steel double action			-	Web shock absorber (Internal)	2.525kg
DURALITE III NORTH												
3.6m	840800. W3ASA	EN 360 CSA Z259.2.2 98 / ANSI Z359.1-92			•		Aluminium double action			-	Web shock absorber (External)	1.100kg
3.6m	840800. W3SSA	EN 360 CSA Z259.2.2 98 / ANSI Z359.1-92			•		Steel double action			-	Web shock absorber (External)	1.100kg

Lanyards

A lanyard is used to connect the workers harness to the anchorage point as an intermediate attachment when working at height. A connecting lanyard may be one of the 3 types: **Fall Restraint, Fall Arrest** or **Work Positioning**.

MILLER LANYARDS FEATURES

ENERGY SHOCK ABSORBER

Featuring a built-in absorber which limits the fall arrest force in a fall situation to 6 kN.

ADJUSTABLE

Fall arrest, restraint or work positioning lanyard can be easily adjusted to the length needed to work safely and comfortably.

ELASTICATED MANYARD®

Light and stretchable, it moves with the worker and reduces tripping or snagging hazards.

EDGE TESTED

Innovative technology for working on edges, features webbing with special heat and cut resistance.

CONNECTORS

Connectors are available to attach to different anchorage points.

Rope shock-absorbing lanyards

Between rope and webbing shock-absorbing lanyards, the choice is primarily one of preference since they both offer the same high level of performance. Available with a variety of attachments and designed to better meet fall protection needs.

TITAN™ B

Rope shock-absorbing lanyard.
No connectors.

Ref.	Length
10 082 75	1.8m

TITAN™ B1

Rope shock-absorbing lanyard with snap hook and screwgate karabiner

Ref.	Length
10 082 76	2.0m

TITAN™ C3

Rope shock-absorbing lanyard with screwgate karabiner and scaffold hook (65mm opening).

Ref.	Length
10 082 81	2.0m

ME/AMORSTOP

Rope lanyard with shock absorber

FEATURES & BENEFITS

Benefits: Cost-effective choice for fall protection

- Adapted to harsh work conditions and difficult work environments.
- Small size for reduced weight.
- Easy to handle and carry.

Features:

- Made of highly resistant and durable 12mm polyamide rope.

ME52

Model	Ref.	Length (m)	Harness Connector	Anchorage Connector
ME51	1002906	2	CS20	65mm aluminium Scaffold hook
ME52	1002907	2	CS20	CS20
AMORSTOP	1003216	1.5	CS20	CS20
ME53	1004578	2	CS20	18mm Snap hook
ME53	1005290	1.5	CS20	18mm Snap hook
ME54	1004591	2	CS20	55mm Scaffold hook
ME54	1005278	1.5	CS20	55mm Scaffold hook
AMORSTOP	1003220	1.3	None	None

Webbing shock-absorbing lanyards

TITAN™ A2

Webbing shock absorbing lanyard with screwgate karabiner).

Ref.	Length
10 143 30	1.5m

Standard: EN 355.

TITAN™ A3

Webbing shock absorbing lanyard with screwgate karabiner and scaffold hook (65mm).

Ref.	Length
10 134 30	2m
10 151 40	1.75m
10 160 96	1.5m

Standard: EN 355.

ME00-06

Webbing lanyard with shock absorber, 1.5m to 2m.

Benefits: Cost-effective choice for fall protection

- Adapted to harsh work conditions and difficult work environments.
- Small size for reduced weight.
- Easy to handle and carry.

Features:

- Made of highly resistant and durable 23mm polyester webbing.

ME02

Model	Ref.	Length (m)	Harness Connector	Anchorage Connector
ME00	1002901	1.8	None	None
ME02	1002903	2	CS20	CS20
ME03	1002904	2	ML06	ML06
ME06	1005279	1.5	CS20	65mm Scaffold hook
ME06	1004579	2	CS20	65mm Scaffold hook

Forked webbing lanyards

Used to ensure a permanent connection to an anchorage point at all times when climbing on and round the work place. Maintaining an anchorage connection as high as possible minimises the fall clearance, reducing the effect of a fall by stopping impact with structure.

1.5M TO 2M WEBBING FORKED LANYARD 100% TIE-OFF

FEATURES & BENEFITS

Benefits: Permanently connected when moving

- Easily connected and removed.
- Double-legged lanyard to move around whilst being connected at all times.
- Compact, light-weight shock-absorber.

Features: Lightweight & versatile fall arrest lanyard designed for maximum protection

- Robust polyester webbing 23mm.
- Integrated polyamide shock-absorber.

Ref. Housing	Length	Connectors
10 029 02	2m	3 Screwgate karabiners (18mm opening)
10 045 90	2m	Screwgate karabiner and 2 scaff hooks (65mm opening)
10 066 75	1.5m	Screwgate karabiner and 2 scaff hooks (65mm opening)
10 032 32	1m	Screwgate karabiner + 2 GO60 (60mm)
10 051 31	1.5m	Screwgate karabiner + 2 GO60 (60mm
10 032 35	2m	Screwgate karabiner + 2 GO60 (60mm)
10 032 33	1m	¼ Twistlock karabiner + 2 scaff hooks (65mm)

TITAN™

Connectors: 2 scaffold hooks (65mm) and screwgate karabiner

Ref.	Length
10 134 31	2m

ATEX LANYARD

FEATURES & BENEFITS

Benefit:

- Prevents risk of electrostatic discharge igniting an explosive atmosphere.

Features:

- Energy absorber.
- 2 GO60 karabiner and 1 twist lock karabiner.
- Antistatic polyester webbing 25mm.
- Shock absorber: Polyester/Polyamide.

Ref.	Length
10 158 59	1.15m

Standard: EN 355. ATEX EN 13463-1 (2001)

TIE-BACK FORKED SHOCK-ABSORBING LANYARD

Technical Fall arrest lanyard

FEATURES & BENEFITS

Benefits:

- Forked lanyard for 100% tie-off: Ideal for ascension of a tower or ladder.
- Shock-absorber limits fall arrest forces < 6kN.

Features:

- 1.5m webbing lanyard with shock-absorber, and 4 loops.
- Multi-point attachment system so that the lanyard can be used in tie-back.
- Compact and lightweight.

Ref. Housing	Connectors
10 070 13	3 captive eye karabiners (18mm opening)
10 070 15	without connectors
10 102 06	with 2 scaff hooks 65mm

Restraint lanyards

TITAN™

FEATURES & BENEFITS

Benefit: Lightweight

- With or without connectors.

Features: Polyamide rope - 12mm

- Available length from 1m to 1.8m.
- Spliced loop with protective plastic thimble.

Ref.	Length
10 082 70	1m
10 082 71	1.5m
10 082 72	1.8m

Conforms to EN 354

TITAN™ R14

Adjustable without connectors

Ref.	Length
10 082 73	1.8m

Conforms to EN 354

ME00 - MD06

FEATURES & BENEFITS

Benefit: Lightweight

- With or without connectors.

Features: Polyamide rope - 12mm

- Available length from 0.35m to 2m.
- Galvanised connectors.
- Spliced loop with protective plastic thimble.

Model	Ref.	Length (m)	Connector		Connector
MD00	1002881	1	Loop	CS20	
MD00	1002882	2	Loop	CS20	
MD02	1002883	1	CS20	CS20	
MD02	1002884	2	CS20	CS20	
-	1002885	1	CS20	63mm Scaffold hook	
-	1002886	2	CS20	63mm Scaffold hook	
MD02	1004711	1.5	CS20	CS20	
MD06	1030951	0.40	Loop	2 x CS20	

Work positioning lanyards

Used to allow hands free work, to complement a fall arrest system. The length is easily adjustable with one hand to fit around the structure and then onto the side D-rings of the harness'belt.

REGLEX 3000

Offers a continous adjustment, this work-positioning lanyard can be easily operated with one-hand.
2m to 4m - Work positioning lanyard equipped with a cam type adjuster in stainless steel.

FEATURES & BENEFITS

Benefits: User friendly
- Allows the operator a comfortable hands-free work position.
- Easy to use and to setup.
- One hand adjustment.
- End splice to prevent the rope adjuster to be removed.

Features: Designed to fit around a structure and connect to harness side D-rings.
- Cam type adjuster in stainless steel.
- Polyester, 14mm, 3-strand rope.
- Progressive adjustment.
- With or without rope protection sleeve.
- Double action snap hook and a screw gate karabiner CS20.

Ref. Housing	Length	Description
10 031 10	2m	With protection sleeve
10 031 11	3m	With protection sleeve
10 031 12	4m	With protection sleeve

Ref. Housing	Length	Description
10 031 04	2m	Without protection sleeve
10 031 05	3m	Without protection sleeve
10 031 06	4m	Without protection sleeve

Conforms to EN 358

MC03

2m to 4m

FEATURES & BENEFITS

Benefit: Ideal for those who have to work at height in a safe and supported hands-free position
- Easy to connect to the side D-rings of the harness.

Features: Easy to use
- Jaw type length adjuster for progressive one-handed adjustment.
- Ø 16mm polyamide rope.
- Connectors: galvanised steel karabiner and alloy snap hook, 18mm opening.

Ref.	Length
10 028 78	2m
10 028 79	3m
10 028 80	4m

Conforms to EN 358

TITAN™

Adjustable work positioning lanyard

FEATURES & BENEFITS

Benefits:
- Easy to use.
- Adjustable.

Features:
- Adjustable 12mm or 14mm polyamide rope lanyard.
- Length 1.8m to 2m.

Ref. Housing	Ø rope	Length	Connectors
10 082 85	12mm	1.80m	No connector
10 082 87	12mm	2m	Loop and twistlock karabiner
10 082 88	12mm	2m	2 twistlock karabiners
10 082 86	14mm	2m	Loop and 18mm snap hook

Work positioning lanyards

Work positioning lanyards

Miller HandZup®

Work positonning lanyard that leaves your hands free to work in complete safety!

FEATURES & BENEFITS

Benefits: Ergonomic, Flexible, Interchangeable lanyard and ultra-resistant

- Specially designed for improved handling and greater comfort during work
- Just a few seconds are sufficient to accurately adjust the lanyard to the perfect work positioning point.
- An economical system: it is therefore no longer necessary to change the entire system when only the rope is unserviceable. The rope can be replaced by a user in the event of it being found to be unserviceable.
- Rope that lasts double the length of time: the new polyamide braided rope is twice as resistant compared to ordinary rope.

Features:

- 2 aluminium side plates
- ABS handle
- Aluminium compartment
- Stainless steel pivoting cam
- 100% polyamide braided rope, diameter 12mm , with or without protection sleeve
- Plastic sleeve protecting rope termination
- Optional repositionable locking screw

PATENTED

TECHNOLOGY MILLER®

Miller HandZup®, a wide range of products in response to every need:

Ref.	Rope length: 2 M	3 M	4 M	5 M	10 M	20 M	30 M	Karabiner at rope termination	Protective sheath	Karabiner on tensioner
10 320 97	X							B	X	A
10 320 98		X						B	X	A
10 320 99			X					B	X	A
10 321 00	X							B		A
10 321 01		X						B		A
10 321 02			X					B		A
10 322 40				X				B		A
10 321 24					X			-		-
10 321 25						X		-		-
10 321 26							X	-		-
10 321 18	X							D	X	D
10 321 19		X						D	X	D
10 321 20			X					D	X	D
10 321 21	X							D		D
10 321 22		X						D		D
10 321 23			X					D		D

Conforms to EN 358

This new system is particularly recommended in the fields of telecommunications, transport and electricity.

A : 1/4 turn karabiner

B : Snap hook

D : Triple action oval karabiner

Manyard® shock absorbing lanyard

To prevent the risk of a fall, it is made of rope or webbing and comes with a variety of connectors. With a maximum of 2m length, it includes a shock absorber to dissipate the forces on the body in case of a fall. Light and stretchable, Manyard® moves with you.

STRETCHABLE SHOCK-ABSORBING LANYARD

For reduced tripping hazards

FEATURES & BENEFITS

Benefits: Reduces fall arrest forces

- A unique stretchable design for greater freedom of movement and safety.
- When contracted, it greatly reduces the risk of tripping, snagging and dragging.
- Reliable visual inspection.
- Improved durability.

Features: Improves safety and reliability

- Heavy-duty tubular outer jacket acts as a protective sleeve.
- Polyamide webbing.
- Special woven shock-absorbing inner core.
- Unique warning flag provides visual proof that a lanyard has been involved in a fall.
- The integrated red core becomes visible if the outer jacket is damaged or worn, and unfit for service.
- Hi-tech protective finish on the outer tubular jacket extends the service life of the Manyard®.
- Supplied with a pull away connection clip attaches to the harness to hold the Manyard® when not in use, thus limiting tripping risks.

After fall

Ref.	Length	Model	Connectors
10 053 24	1.5m	ME86	65mm scaffold hook and galvanised connector
10 053 25	2m	ME86	65mm scaffold hook and galvanised connector
10 053 17	1.5m	ME82	2 galvanised connectors (CS20)
10 053 18	2m	ME82	2 galvanised connectors (CS20)

Ref.	Length	Model	Connectors
10 053 26	1.5m	ME83	Snap hook and galvanised connector
10 053 27	2m	ME83	Snap hook and galvanised connector
10 304 90	1.2m	Forked Manyard®	-
10 139 70	1.5m	Forked Manyard®	65mm scaffold hooks and galvanised connector
10 134 91	2m	Forked Manyard®	65mm scaffold hooks and galvanised connector

Conforms to EN 355

Barracuda™ lanyard

Scaffolding lanyard: The ultimate fall protection solution for scaffolders.

BARRACUDA™

Combination of vertical anchorage clamp with a fall arrest lanyard in one compact unit
1.75m Scaffolding lanyard

FEATURES & BENEFITS

Benefits: Safer fall arrest system for vertical scaffolding tubes

- Elasticated lanyard reduces tripping and snagging hazards.
- Enhances safety of workers erecting, dismantling and altering scaffolding.
- Allows anchorage above waist height reducing fall arrest forces and the risk of injury.
- One hand operation.

Features: Gripping mechanism locks on the vertical tube under load

- Vertical scaffold clamp and screwgate karabiner.
- Integrated shock absorber.
- For tube diameter from 48.3 to 50mm.
- Polypropylene grip for easy handling.
- Weight: 1.2kg including lanyard.
- Hi-tech protective finish helps to extend the service life of the unit.
- Stainless steel connecting device for corrosion resistance.

Ref.: 10 104 70

Ref.: 10 086 71

Ref.: 10 101 41

Ref. Housing	Description
10 104 70	Barracuda™ 1.75m Elasticated Manyard®
10 101 41	Barracuda™ 1.75m Lanyard with shock absorber
10 086 71	Adjustable Barracuda™ 1.2m – Lanyard with shock absorber

Conforms to EN 358
Conforms to EN 355 and EN 795b

Edge-tested

Edge resistant lanyards & manyards: unique solutions to solve the technical problem posed by the breaking of fall protection equipment on edges! To prevent the risk of failure on an edge during work at height, requires a two-fold solution: fall arrest equipment has been developed with resistance to failure on edges whilst also absorbing the fall arrest forces.

SHOCK ABSORBING LANYARD AND MANYARD®

Adjustable work positioning lanyard 1.5m - 2m:

FEATURES & BENEFITS

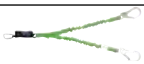
Benefits: Mechanical properties resistant against cutting and shearing

- Shock absorber reduces forces < 6kN.
- Reduces fall arrest forces.
- Stretchable: reduced product length, avoids the risk of tripping or snagging.
- Increased security & guaranteed reliability.
- Innovative technology.
- Elasticity and shearing resistance.

Features: Patented core-yarn technology

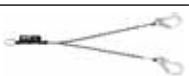
- Identifiable green tubular webbing with a black stripe.
- Wrapped filament combining two types of thread: one shock absorbent and one abrasion resistant.
- Integrated shock absorber.
- Built-in warning flag.

EDGE-TESTED SHOCK ABSORBING MANYARD®

Ref.	Length	Forked	Harness connector		Anchorage connector
1017916	2m	-	Aluminium Steel screwgate karabiner CS20		Scaffold hook, large opening aluminium 65mm
1017918	2m	-	Steel screwgate karabiner CS20		Steel screwgate karabiner CS20
1028520	1.5m	•	1/4 steel karabiner		Scaffold hook, large opening 55mm
1028521	2m	•	1/4 steel karabiner		Scaffold hook, large opening 55mm
1028522	2m	•	¼ Zicral Alu. Screw karabiner		Scaffold hook, large opening 65mm
1028523	1.5m	•	¼ Zicral Alu. Screw karabiner		Scaffold hook, large opening 65mm
1028524	2m	•	Aluminium screwgate karabiner CS20		GO60, large opening aluminium 60mm
1028525	1.5m	•	Aluminium screwgate karabiner CS20		GO60, large opening aluminium 60mm

Conforms to the standard EN 355: 2002

D12 EDGE-TESTED KERNMANTEL SHOCK ABSORBING LANYARDS

Ref.	Length	Forked	Harness connector		Anchorage connector
1016847	2m	-	Snap hook, small opening aluminium		Scaffold hook, large opening aluminium
1016848	2m	-	Steel screwgate karabiner CS20		Steel screwgate karabiner CS20
1016849	2m	-	Steel screwgate karabiner CS20		Scaffold hook, large opening aluminium 65mm
1016850	1.5m	•	Steel screwgate karabiner CS20		2 x Scaffold hook, large opening aluminium 65mm
1018035	1.5m	•	Aluminium screwgate karabiner CS20		2 x Scaffold hook, large opening aluminium 110mm

Conforms to the standard EN 355: 2002

Lanyards technical guide

MODEL	STANDARDS	WEIGHT	WEBBING	ROPE	SIMPLE	FORKED	1 M	1.2 M	1.5 M	1.8 M	2 M	USER CONNECTOR	ANCHORAGE CONNECTOR
SHOCK ABSORBING LANYARD AND MANYARD®													
AMORSTOP	EN 355	400g		•	•				1003220			None	None
AMORSTOP	EN 355	625g		•	•				1003216			CS20	CS20
ME54	EN 355	940g		•	•				1005278			CS20	Scaff hook 55mm
ME53	EN 355			•	•				1005290			CS20	Snap hook
Titan™ B	EN 355	400g		•	•					1008275		Thimbled loops	Absorber
ME51	EN 355	1,030g		•	•						1002906	CS20	Scaff hook 65mm
ME52	EN 355	770g		•	•						1002907	CS20	CS20
ME53	EN 355	750g		•	•						1004578	CS20	Snap hook
ME54	EN 355	980g		•	•						1004591	CS20	Scaff hook 55mm
Titan™ B1	EN 355	637g		•	•						1008276	CS20	Snap hook
Titan™ C3	EN 355	870g		•	•						1008281	CS20	Scaff hook 65mm
Titan™ A2	EN 355	930g	•		•				1014330			CS20	CS20
ME00	EN 355	340g	•		•					1002901		No	No
ME02	EN 355	680g	•		•						1002903	CS20	CS20
ME03	EN 355	510g	•		•						1002904	Triple action	Triple action
ME06	EN 355	900g	•		•				1005279		1004579	CS20	Scaff hook 65mm
Titan™ A3	EN 355	760g	•		•				1016096	1015140	1013430	CS20	Scaff hook 65mm
Titan™ A2	EN 355	760g	•		•				1014330			CS20	Scaff hook 65mm
Forked lanyard	EN 355	720g	•			•	1003232					1/4 Turn	2xGO60
Forked lanyard	EN 355	1,240g	•			•	1003233					1/4 Turn	2xScaff hook 65mm
Forked lanyard	EN 355	850g	•			•			1005131			1/4 Turn	2xGO60
Forked lanyard	EN 355	640g	•			•			1007013			1/4 Turn	Twist lock
Forked lanyard	EN 355	440g	•			•			1007015			No	No
Forked lanyard	EN255	1,010g	•			•			1010206			1/4 Turn	2xScaff hook 65mm
Forked lanyard	EN 355	1,500g	•			•					1004590	CS20	2xScaff hook 65mm
Forked lanyard	EN 355	1,500g	•			•			1006675			CS20	2xScaff hook 65mm
Forked lanyard	EN 355	940g	•			•					1002902	1/4 Turn	2xCS20
Forked lanyard	EN 355	922g	•			•					1003235	1/4 Turn	2xGO60
Titan™	EN 355	1,550g	•			•					1013431	CS20	2xScaff hook 65mm
Edge tested	EN 355	1,077g		•	•						1016847	SnapHook	Scaff hook 65mm
Edge tested	EN 355	815g		•	•						1016848	CS20	CS20
Edge tested	EN 355	1,096g		•	•						1016849	CS20	Scaff hook 65mm
Edge tested	EN 355	1,480g		•		•			1016850			CS20	2xScaff hook 65mm
Edge tested	EN 355	2,600g		•		•			1018035			CS20	2xGO100
Atex	EN 355/ATEX		•			•			1015859			CS20	2xGO60

Lanyards technical guide

MODEL	STANDARDS	WEIGHT	WEBBING	ROPE	SIMPLE	FORKED	1 M	1.2 M	1.5 M	1.8 M	2 M	USER CONNECTOR	ANCHORAGE CONNECTOR
STRETCHABLE SHOCK ABSORBING LANYARD													
Manyard® ME86	EN 355	950g	•		•				1005324			CS20	Scaff hook 65mm
Manyard® ME82	EN 355	620g	•		•				1005317			CS20	CS20
Manyard® ME83	EN 355	680g	•		•				1005326			CS20	Snap Hook
Manyard® ME86	EN 355	980g	•		•						1005325	CS20	Scaff hook 65mm
Manyard® ME82	EN 355	740g	•		•						1005318	CS20	CS20
Manyard® ME83	EN 355	780g	•		•						1005327	CS20	Snap hook
Barracuda	EN 355/EN795	1,310g	•		•					1010470 (1.75m)		CS20	Barracuda
Edge tested	EN 355	1,260g	•		•						1017916	CS20	Scaff hook 65mm
Edge tested	EN 355	920g	•		•						1017918	CS20	CS20
Barracuda	EN 355/EN795	1,215g		•	•		1008671 (1.20m)					CS20	Barracuda
Barracuda	EN 355/EN795	1,195g		•	•					1010141 (1.75m)		CS20	Barracuda
Twin Edge tested lanyard	EN 355	1,680g	•			•				1028521		CS20	2xScaff hook 55mm
STRETCHABLE SHOCK ABSORBING LANYARD													
Twin Edge tested lanyard	EN 355	1,580g	•			•					1028522	CS20	2xScaff hook 65mm
Twin Manyard®	EN 355	1,700g	•			•		1030490					
Twin Manyard®	EN 355	1,700g	•			•			1013970			CS20	2xScaff hook 65mm
Twin Manyard®	EN 355	1,900g	•			•					1013491	CS20	2xScaff hook 65mm
RESTRAINT LANYARD													
MD00	EN 354	300g		•	•		1002881					Spliced loops	CS20
MD02	EN 354	480g		•	•		1002883					CS20	CS20
Titan™	EN 354	150g		•	•		1008270					Thimbled loops	Thimbled loops
MD02	EN 354	530g		•	•				1004711			CS20	CS20
Titan™	EN 354	190g		•	•				1008271			Thimbled loops	Thimbled loops
Titan™	EN 354	335g		•	•					1008273		Thimbled loops	Thimbled loops
MD02	EN 354	400g		•	•						1002882	Spliced loops	CS20
MD02	EN 354	580g		•	•						1002884	CS20	CS20
Titan™	EN 354	275g		•	•					1008272		Thimbled loops	Thimbled loops
WORK POSITIONING LANYARD													
Titan™	EN 358	320g		•	•					1008285		No	No
MC03	EN 358	940g		•	•						1002878	Spliced loops	Snap hook
MC03	EN 358	1,130g		•	•						1002879 (3m)	Spliced loops	Snap hook
MC03	EN 358	1,280g		•	•						1002880 (4m)	Spliced loops	Snap hook
Reglex 3000 + rope protector	EN 358	1,170g		•	•						1003110	Spliced loops	Snap hook
Reglex 3000 + rope protector	EN 358	1,308g		•	•						1003111 (3m)	Spliced loops	Snap hook
Reglex 3000 + rope protector	EN 358	1,436g		•	•						1003112 (4m)	Spliced loops	Snap hook
Reglex 3000	EN 358	1,080g		•	•						1003104	Spliced loops	Snap hook
Reglex 3000	EN 358	1,230g		•	•						1003105 (3m)	Spliced loops	Snap hook
Reglex 3000	EN 358	1,380g		•	•						1003106 (4m)	Spliced loops	Snap hook
Titan™	EN 358	600g		•	•						1008286	Spliced loops	Snap hook
Titan™	EN 358	400g		•	•						1008287	Spliced loops	Twist lock
Titan™	EN 358	450g		•	•						1008288	CS20	CS20

Rope and Cable Fall Arresters

Light, industry-proven, stainless steel automatic or manual fall arresters, rope grabs and cable grabs prevent workers from falling during ascent or descent for both vertical and horizontal applications. Particularly useful on sloping roofs where retractable lifelines may react too slowly. In the event of a fall or slip, they lock onto the rope or cable, arresting the fall immediately.

STICK RUN

Rope grab for vertical, horizontal and sloping applications

FEATURES & BENEFITS

Benefits:
- Easy to use.
- Automatic mode for vertical use.
- Manual mode for work positioning in horizontal and sloping use.
- Stick run glides freely over the line without manual intervention.

Features:
- Rope grab in stainless steel.
- Suitable for 10/12mm or 14/16mm rope.
- Automatic locking for vertical use.
- Weight: 0.62kg.
- Manual locking position for horizontal work and restraint purposes, repositioning manually along rope.

Stick Run is sold without a rope

Ref.	Model	Ø rope
10 076 40	MF51	10mm/12mm
10 028 75	MF51	14mm/16mm
10 076 18	MF52	10mm/12mm + 0.3m lanyard and connector (CS20)
10 028 76	MF52	14mm/16mm + 0.3m lanyard and connector (CS20)

Conforms to EN 353-2

ROCKER ROPE LOCK

Automatic rope grab features work positioning function

FEATURES & BENEFITS

Benefits:
- Fall arrester and work positioning device.
- Versatile and lightweight fall arrest system.
- Designed for use in conjunction with a manual descender or technical rope access or rescue
- Compact and easy-to-use.
- Locking catch can be activated to hold the Rocker in position on the rope.

Features:
- Easy-to-use automatic rope grab (EN 353-2).
- Manual rope positioning (EN 353-2).
- Length adjuster for positioning lanyard.
- Tensioning device for horizontal lifeline.
- Pulley blocking device.
- Suitable for 10/12mm rope.
- Weight: 0.17kg.

Rocker is sold without a rope

Ref.	Colour
10 070 31	Purple
10 102 21	Black

CE certified Rope grab: EN 353-2; Work positioning EN 358 recommended for use with Miller Kernmantel rope. (see p 363)

ALTOCHUT

Rope grab for vertical use

FEATURES & BENEFITS

Benefits:
- Prevents workers from falling during ascent or descent.
- Glides freely along the rope without manual intervention.
- Offers a more comfortable attachment to the front anchorage point on the harness.

Features:
- Rope grab in stainless steel.
- Suitable for 10/12mm or 14/16mm ropes.
- Weight: 0.5kg.

Ref.	Ø rope
10 029 33	10mm/12mm
10 029 37	14mm/16mm

Ref.	Ø rope
10 030 64	10mm/12mm + 0.3m lanyard and connector (CS20)
10 030 71	14mm/16mm + 0.3m lanyard and connector (CS20)

Conforms to EN 353-2

Altochut is sold without a rope

TITAN™ ROPE GRAB

Rope grab for both vertical and horizontal applications.
Automatic Rope grab with anchorage line from 10m to 30m.

FEATURES & BENEFITS

Benefits:

- Automatically locks onto the rope in the event of a fall.
- Moves on the rope without manual intervention.
- 0.3m lanyard and connector facilitates attachment to harness.
- Easy-to-use design with hands-free operation for maximum freedom of movement.

Features:

- Durable and corrosion-resistant stainless steel construction.
- Lightweight.
- Includes rope anchorage line.
- Diameter 12mm

Ref.	Length	Description
10 111 90	10m	Rope grab
10 117 00	15m	Rope grab
10 111 91	20m	Rope grab
10 111 92	30m	Rope grab

Ref.	Length	Description
10 113 44	10m	Anchorage line only diameter 12mm
10 113 45	20m	Anchorage line only diameter 12mm
10 113 46	30m	Anchorage line only diameter 12mm

CE Certified and conforms to EN 353-2

ANCHORAGE LINE

Suitable for vertical, horizontal and sloping applications.

FEATURES & BENEFITS

Benefit:

- Can be installed by means of the telescopic pole and anchorage connector.

Features:

- Twisted polyamide rope or kernmantel rope.
- Supplied with galvanised connector and counterweight.
- Anchorage line is suitable for use with a 10/12mm or 14mm/16mm rope grab.
- Available in various lengths.

Length	Twisted polyamide rope, diam. 14mm with counterweight and screwgate karabiner	kernmantel rope, diam. 10.5mm with counterweight and screwgate karabiner	Kernmantel rope, diam. 11mm, white	Kernmantel rope, diam. 11mm, black	Nylon rope, diam.12mm with 2 stitched splices
10m	1002891	1007613			
20m	1002892	1007614			
25m					1011726
30m	1002893	1007615			
35m					1011723
40m	1002894	1007616			
45m					1011724
50m	1002895	1007617	1010185		
60m					
100m				1010187	
200m			1010182		

Connectors

SCREW GATE KARABINERS

CS20

- Material: Steel.
- Opening: 17mm.
- Resistance: 25kN.
- Dim.:104 x 58mm.
- Weight: 165g.
- Multi-purpose karabiner.

Ref
10 189 60

Conforms to Standard: EN 362 Class B

CS20 ALU

- Material: Aluminium.
- Opening: 17mm.
- Resistance: 23kN.
- Dim.: 111 x 60mm.
- Weight: 80g.
- Multi-purpose karabiner.

Ref
10 092 76

Conforms to Standard: EN 362 Class B

ML01

- Material: Aluminium.
- Opening: 19mm.
- Resistance: 30kN.
- Dim.: 110 x 65mm.
- Weight: 90g.
- Pear-shaped for easier belay.

Ref
10 028 33

Conforms to Standard: EN 362 Class B

ML06

- Material: Aluminium.
- Opening: 21mm.
- Resistance: 22 kN.
- Dim.:123 x 72mm.
- Weight: 93g.
- Multi-purpose karabiner.

Ref
10 189 61

Conforms to Standard: EN 362 Class B

TWIST LOCK KARABINERS

CS20

- Material: Steel.
- Opening: 17mm.
- Resistance: 25kN.
- Dim.: 104 x 58mm.
- Weight: 172g.

Ref
10 189 63

Conforms to Standard: EN 362 Class B

ZICRAL

- Material: Aluminium.
- Opening: 16mm.
- Resistance: 28kN.
- Dim.: 107 x 61mm.
- Weight: 75g.
- Shape facilitates belay technique.

Ref
10 189 68

Conforms to Standard: EN 362 Class B

ZICRAL 2

- Material: Aluminium.
- Opening: 18mm.
- Resistance: 23kN.
- Dim.: 111 x 60mm.
- Weight: 90g.

Ref
10 083 42

Conforms to Standard: EN 362 Class B

SUPER-TOP

- Material: Aluminium.
- Opening: 20mm.
- Resistance: 22kN.
- Dim.: 123 x 70mm.
- Weight: 90g.

Ref
10 189 69

Conforms to Standard: EN 362 Class A/T

DOUBLE ACTION KARABINERS AND HOOKS

GO30

Ⓐ

- Material: Aluminium.
- Opening: 28mm.
- Resistance: 25kN.
- Dim.: 159 x 74mm.
- Weight: 130g.

Ref
10 043 00

Conforms to Standard: EN 362 Class T

GO60

Ⓐ

- Material: Aluminium.
- Opening: 60mm.
- Resistance: 23kN.
- Dim.: 240 x 113mm.
- Weight: 244g.
- Self-locking opening and rope latch.

Ref
10 189 72

Conforms to Standard: EN 362 Class A

SNAP HOOK

Ⓐ

- Material: Steel.
- Opening: 18mm.
- Resistance: 25kN.
- Dim.: 132 x 64mm.
- Weight: 240g.

Ref
10 189 73

Conforms to Standard: EN 362 Class T

GO55

Ⓐ

- Material: Steel.
- Opening: 55mm.
- Resistance: 23kN.
- Dim.: 218 x 115mm.
- Weight: 450g.

Ref
10 092 49

Conforms to Standard: EN 362 Class A

GO85

Ⓐ

- Material: Steel.
- Opening: 85mm.
- Resistance: 23kN.
- Dim.: 332 x 160mm.
- Weight: 840g.

Ref
10 092 58

Conforms to Standard: EN 362 Class A

GO100

Ⓐ

- Material: Aluminium.
- Opening: 110mm.
- Resistance: 27kN.
- Dim.: 350 x 165mm.
- Weight: 900g.

Ref
10 189 76

Conforms to Standard: EN 362 Class A

ML04

Ⓐ

- Material: Aluminium.
- Opening: 63 mm.
- Resistance: 22kN.
- Dim.: 255 x 120 mm.
- Weight: 470g.

Ref
10 189 77

Conforms to Standard: EN 362 Class A

TRIPLE ACTION KARABINERS

FRELON

Ⓐ

- Material: Aluminium.
- Opening: 22mm.
- Resistance: 22kN.
- Dim.:117 x 77mm.
- Weight: 100g.
- Pear-shaped for easier belay.
- Wide opening for several ropes.

Ref
10 189 71

Conforms to Standard: EN 362 Class B

CIGALE

Ⓐ

- Material: Aluminium.
- Opening: 20mm.
- Resistance: 24kN.
- Dim.: 110 x 64mm.
- Weight: 80g.
- Aluminium metal D-ring. Round thread for easier insertion into the connecting parts.

Ref
10 286 30

Conforms to Standard: EN 362 Class B

Anchorage Points

One of the most important aspects of a fall protection system, is the selection of a reliable anchorage point (A) to ensure full safety. This shall:

- have a static resistance > 10kN.
- be located at a safe distance above any lower obstacles.
- be as vertical as possible to the work station to avoid the swing effect.

WEBBING ANCHORAGE SLING

Allows a reliable connection point which adapts to a wide range of anchorage points.

FEATURES & BENEFITS

Benefits: The anchorage sling provides a secure anchorage point for the fall arrest device

- Easy to install.
- Lightweight.
- Reliable.
- High breaking strength.
- Sheathed end of sling to resist to abrasion from connector.

Features:

- 23mm yellow polyester webbing.
- Breaking strength: > 15KN.
- Coloured coded to differentiate lengths.
- Conforms to EN795b2.

Ref.	Length
10 029 16	0.6m
10 029 17	0.8m

Ref.	Length
10 032 45	1.0m
10 029 18	1.2m
10 029 19	1.5m

Conforms to EN795b

TITAN™

Webbing anchorage sling.

FEATURES & BENEFITS

Benefits: The anchorage sling provides a secure anchorage point for the fall arrest device

- High breaking strength.
- Lightweight.
- Safe and easy-to-install anchorage point.

Features:

- 20mm red and black polyamide webbing.
- Breaking strength: > 10kN.

Ref.	Length
10 083 60	0.6m
10 083 61	0.8m

Ref.	Length
10 083 62	1.0m
10 083 63	1.2m
10 083 64	1.5m

Conforms to EN795b & EN566

Anchorage Points

MJ51 STEEL SLING

FEATURES & BENEFITS

Benefits: Easy-to-install

- Large opening for anchorage to girders, beams.
- High breaking strength.

Features: Galvanised steel

- 6.3mm galvanised steel with protective plastic sheath.
- Breaking strength: >15kN.

Ref.	Length
10 178 22	0.66m
10 028 97	1m
10 031 78	2m
10 031 79	3m

Conforms to EN 795b

GIRDER GRIP MJ52

FEATURES & BENEFITS

Benefit: Easy to use and open

- Lightweight.

Features: Stainless steel

- 75mm to 140mm opening cable girder grip.
- Breaking strength >30kN.

Ref.	Ø
10 189 79	75mm
10 189 80	100mm
10 189 81	140mm

Conforms to EN 362 Class A

ANCHORAGE PLATE

FEATURES & BENEFITS

Benefit:

- Fall indicator allows the device to be checked easily.

Features: Stainless steel

- Fixing point diameter: Ø 13mm.
- Maximum load before deformation: 300kN.
- Weight: 0,062kg.
- Breaking strength: >20kN.

Ref.
10 029 96

Conforms to EN 795 Class A1

BEAM GLIDE

FEATURES & BENEFITS

Benefits:

- Fully adjustable beam anchorage device.
- Suitable for beam widths from 75mm to 360mm.

Features:

- Aluminium construction.
- Breaking strength: 22kN.
- Weight: 1.4kg.

Ref.	Size
10 076 10	Unique

Conforms to EN 795b

Anchorage Points

CROCHEVIT JIRAF

Ⓐ

FEATURES & BENEFITS

Benefits: Allows an anchor point to be installed far overhead

- Large opening aluminium connector.
- Used in conjunction with a telescopic pole.

Features:

- Aluminium connector.
- Opening 150mm.
- Weight 1.3kg

Ref.
10 028 99

Conforms to EN 795 Class B

CROCHEVIT, JIRAF TO BE USED WITH:
TELESCOPIC POLE
FROM 6 TO 9.40M SEE NEXT PAGE

GO100 JIRAF

Ⓐ

FEATURES & BENEFITS

Benefits: Easy-to-fit anchorage connector for use with telescopic pole

- Opening to suit scaffolding tubes.
- Used in conjunction with a telescopic pole.

Features:

- Aluminium connector.
- Opening: 110mm.
- Weight 1.48kg

Ref.
10 029 81

Conforms to EN 795 Class B

GO65 JIRAF

Ⓐ

FEATURES & BENEFITS

Benefits: Easy-to-fit anchorage connector for use with telescopic pole

- Opening to suit scaffolding tubes.
- Used in conjunction with a telescopic pole.

Features:

- Aluminium connector.
- Opening: 65mm.
- Weight 1.05kg

Ref.
10 029 00

Conforms to EN 795 Class B

CROCHEVIT – MJ50

Ⓐ

FEATURES & BENEFITS

Benefits: Easy-to-install

- Large opening ideal for anchorage to girders, beams.
- High breaking strength.

Features:

- Aluminium connector.
- Opening: Ø 150mm (or 120 x 120mmsquare structure).
- Weight 1.32kg
- Breaking strength: >22kN.

Ref.
10 028 96

Conforms to EN 795b Class B

Anchorage Points

SERPENT TEMPORARY HORIZONTAL LIFELINE

The durable solution for construction

FEATURES & BENEFITS

Benefits:
- Offers a large working area.
- Fast and easy to install.
- For use by one or 2 workers.
- Maximum working length 20 metres.
- Fixing to either permanent anchorage points or temporary webbing anchorage slings.

Features:
- Durable braided rope with two galvanised connectors.
- Supplied with length adjuster, karabiners, end stop and two 1.5m webbing anchorage slings.
- Rope in polyester Ø14mm.
- Connectors in galvanised steel.

Ref.	Size
10 076 10	20m

Conforms to EN795b

WEBBING MOBILE LIFELINE WITH ANCHORAGE SLING

Webbing Temporary Horizontal Lifeline

FEATURES & BENEFITS

Benefits:
- Offers a large working area.
- Fast and easy to install.
- For use by one or 2 workers.
- Maximum working length 20 metres.
- Fixing to either permanent anchorage points or temporary webbing anchorage slings.

Features:
- Durable webbing with 2 karabiners, swivel and fall indicator.
- Supplied with length adjuster, karabiners, end stop and 21m webbing anchorage slings.
- Webbing polyester 35mm.
- Connectors in galvanized steel.
- Delivered in a bag.

Ref.	Size
10 111 60	20m

Conforms to EN795b

TELESCOPIC POLE

Fixing an anchorage point from a distance

TELESCOPIC POLE TO BE USED WITH: CROCHEVIT, MJ50, JIRAF

FEATURES & BENEFITS

Benefits: Light-weight
- Compact for easy transportation
- Easy vertical deployment

Features MK00:
- 3 elements for easier deployment from the ground
- Retracted length: 2.6m

Ref.	Extended Length
10 028 98	7.5m

Conforms to EN795b

Features JIRAF:
- 5 elements for easier deployment from the ground

Ref.	Extended Length	Retracted Length
10 066 29	6m	1.55m
10 029 79	9.40m	2.44m

Anchorage Points

SÖLL ANCHORAGES Ⓐ

Screw-fix eyes with EN 795-A* and EN50308 certification

FEATURES & BENEFITS

Benefits:

- Easy to install* in threaded holes or with self-locking nuts
- Rated for two persons or 22kN

Features: Load-indicating eyes

- High-visibility EN50308 yellow colour
- Corrosion-resistant stainless steel
- Swivel anchorage eye with a unique S-shaped profile
- Safely deforms under excessive load, giving a clear indication of the need for replacement after a fall

Ref.	Description
10 315 82	Söll Anchorage Ring
10 304 91	Söll Eye Anchor
10 315 84	Söll Turn Eye

Ref.	Description
10 315 81	Söll Anchorage Eye

** EN 795-A anchorages shall be installed by a competent engineer in accordance with approved national standards, and inspected at least once every 12 months (6 months if used for work positioning or suspension).*

Ref.: 10 315 82

Ref.: 10 304 91

Ref.: 10 315 84

Ref.: 10 315 81

DURAHOIST™ TOTEM ANCHORAGE POST

Securing access and maintenance work with low space clearance.
Designed to provide a safe anchorage point.

FEATURES & BENEFITS

Benefits: Work safely in factor 1

- Removable post.
- Light and very easy to transport with 2 handles.
- Easy to set up in the base plate.
- Insertion indicator – red mark to ensure correct installation.
- Fall factor 1 anchorage point at shoulder level, reduces fall clearance.

Features: Lightweight and resistant

- Aluminium post
- "S" anchorage with fall indicator deformed in case of a fall.
- 2 operators maximum on each S – up to 4 operators.
- Light: only 7.5kg.

Stainless steel base plate

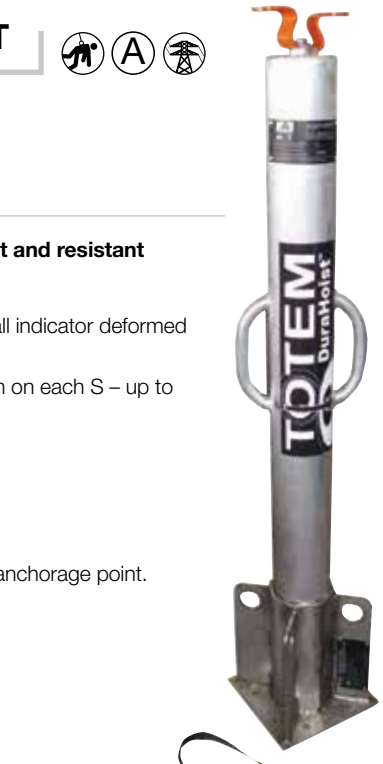
- 4 anchorage points on the base plate and 2 operators maximum on each anchorage point.
- Screwed with welded threaded rod.
- Weight: 13kg.

Ref.	Description
10 295 02	Aluminium Post

Conforms to EN795 class A-1, when used with the plate

Ref.	Description
10 295 03	Stainless steel base plate
10 297 20	Accessory, Totem transportation bag

Conforms to EN795 class A-1



Rescue & Evacuation
Technical access: ASCENDER

ROPE ASCENDER

FEATURES & BENEFITS

Benefits:
- Ascenders are designed to connect easily onto the rope with one hand.
- Comfortable and efficient grip for improved climbing control.

Features:
- Ideally used in conjunction with a foot-loop.
- The manual ascender incorporate a lightweight alloy handle.
- Enables the operator to ascend a fixed rope.
- For rope diameters 10-13mm.
- Weight 0.21kg.

Ref.	Description
10 070 41	Right-hand ascender
10 073 93	Left hand ascender

Conforms to EN 567

CAM-CLEAN ASCENDER

FEATURES & BENEFITS

Benefits: Increase safety
- Used in conjunction with the rope ascender.
- Chest ascender designed to hold the operator in a comfortable upright position.

Features:
- Rope diameter: 8mm to 12mm.
- Anti return system.
- Weight: 0.16kg.

Ref.	Size
10 042 54	Unique

Conforms to EN 567

SHORCO SLING AND FOOT LOOP SET

FEATURES & BENEFITS

Benefits: Foot lock technique to climb
- Used in conjunction with the Rope Ascender and Cam-Clean.
- Shorco Sling and Foot loop set allows a fixed rope to be climbed by using the Foot Lock Technique.

Feature:
- Polyester webbing with karabiners.

Ref.	Size
10 101 68	Unique

ABS LOCK

FEATURES & BENEFITS

Benefit: Practical
- Used to belay from the ground the person equipping a structure with temporary anchor points.

Features:
- Automatic and dynamic belay system.
- To use with 9mm to 11mm rope.
- Weight: 0.103kg.

Ref.	Size
10 042 10	Unique

Rescue & Evacuation – Technical access: descender

INDY DESCENDER

FEATURES & BENEFITS

Benefits: The operator's safety is guaranteed

- Ergonomic and easy-to-use.
- Descent is activated and controlled through pressure onto the handle.
- Descent stops if the pressure on the handle is too weak or strong.

Ref.	Size
10 320 22	unique

Conforms to EN 341 Class A and EN12841/C

Features: Aluminium & stainless steel

- Anti-panic auto-braking system.
- Maximum descent speed: 2m/s.
- Suitable for 10-13mm rope.
- Weight: 0.49kg.

PROALLP TECH DESCENDER

FEATURES & BENEFITS

Benefit: Control and versatility

- Ideal for technical access, rescue and intervention.

Ref.	Colour
10 070 57	Purple
10 102 22	Black

Conforms to PR EN 12841C

Features: Screw and autolock controlled rate rope descender

- Light alloy material.
- Designed to hold up to two people (max.250kg) in a rescue scenario.
- Option of both screw and auto-lock controlled-rate rope descent.
- Includes ascender, belay brake, tensioned line brake and hauling system brake function.
- Suitable for 10-13mm kernmantel rope.
- Weight: 0.62kg.

FIG 8 DESCENDER

FEATURES & BENEFITS

Benefit:

- Lightweight

Ref.	Size
10 102 20	Unique

Features:

- Aluminium.
- Rescue descender for 9-12mm braided rope.
- Weight: 0.13kg.

MILLER SAFESCAPE® ELITE

Rescue and Descent device for emergency situations.
Ideal for rescue and descent - 20m to 500m rope.

FEATURES & BENEFITS

Benefits: Ensure the safety of the people working at height

- Enhanced safety in the harshest conditions.
- Greater cost-savings: recertification required only after seven years.
- Lightweight and compact design.
- Optional hoisting wheel and/or ladder bracket available.
- Global solution-meets all applicable safety standards worldwide.

Material: Engineered to comply with the most rigorous testing methods

- High-quality anodised aluminium housing.
- Centrifugal brake controls the descent and reduces vibration.
- Descent loads possible from 30kg – 250kg (2 people).
- Rope lenght 20-200 m as standard descent capacity (up to 500 m on request).
- Descent is quick (1m/s) and smooth.
- Use in an emergency by 2 people weighing up to 250kg.

References on demand, depending on the rope length.

Please contact your customer service for more information

=> without handwheel.

=> with handwheel.

=> with handwheel and handle.

=> with handwheel and ladder bracket.

Conforms to EN 341:2011 and meets ANSI and OSHA requirements

MILLER SAFESCAPE® ELITE CASE

Exceptional storage solution for the Miller SafEscape ELITE.

Humidity checker

FEATURES & BENEFITS

Benefits:

- Ten years safekeeping without inspection – Cost savings.
- Rescue equipment can be safely stored for up to ten years without the need for costly inspection. Components must be inspected every ten years allowing a lower cost and inspection down time.
- Vibration tested and easy to inspect.
- The case and its contents have been tested according to EN60068.
- Humidity check using a hygrometer, which is visible externally.
- Robust and simple.
- The rigid-foam insert has been specially designed to protect the rescue set against vibration.
- Case is made out of unbreakable polypropylene, and its Ingress Protection (IP) is IP67, making it completely waterproof and dust-tight.

Features:

- Temperature range: -40°C to 99°C.
- Material:

- Body: Polypropylene
- Latch: ABS
- Lid O-Ring: Polymer
- Foam: Plastozote LD29
- Purge Vent: 3 Micro Hydro-phobic Non-Woven PET

- Dimensions: 80,2 x 52 x 31,6 cm.

References on demand, depending on the rope length.

Please contact your customer service for more information

=> without handwheel.

=> with handwheel.

=> with handwheel and handle.

=> with handwheel and ladder bracket.

Conforms to EN 341:2011 and meets ANSI and OSHA requirements
Various case sizes with a different selection of content are also available on demand

Rescue & Evacuation

Training is an essential part of any rescue and evacuation operation and Miller offers a complete set of rescue training courses to suit all areas of industry and the emergency services. Miller offers set or tailor-made courses, including theory and practice. Training sessions can be provided worldwide in our training centers or on site. Miller provides a complete solution for rescue and evacuation.

RESCUE CARRYING BAG

FEATURES & BENEFITS

Benefit:

- Carry the Miller SafEscape elite, rope and accessories.

Features:

- Waterproof.

Ref.	Size	Ø	Height
10 101 91	M	23cm	59cm
10 101 90	L	26cm	69cm
10 293 40	XL	48cm	69cm

QUADPOD*

FEATURES & BENEFITS

Mobile anchorage point.

Benefits: Ideal for cliff top rescue and confined spaces

- Stability even on rough terrain.
- Durability even in harsh environments thanks to its design.

Ref.
10 070 27

Conforms to EN 795 Class B

* Recommended to use in conjunction with Self tailing winch.

MILLER SAFESCAPE® ELITE EVACUATION KIT

Descent kit for emergency

FEATURES & BENEFITS

Benefit:

- All in one bag

Features:

- Includes a Miller SafEscape ELITE with wheel and handle, fitted with 20 m rope
- Anchorage sling
- Waterproof bag

Ref.	Length
10 293 50	20 m

MILLER SAFESCAPE® ELITE

General rescue kit with 80m rope

FEATURES & BENEFITS

Benefit:

- All in one rescue kit.

Features:

- 1 Miller SafEscape ELITE with handwheel and Ladderadapter, fitted with 80m rope.
- 1 Red rescue carrying bag.
- 2 Slings of 1,2 m.
- 1 Rope grab.
- 4 Karabiners.
- 1 Pulley.
- 1 Edge protection.
- 1 T-Bar.

Ref.	Length
10 288 11	80m

Features: Multi-positioning

- Removable and adjustable legs, each extend from 1.35m to 2.30m.
- Pivoting rubber studded feet.
- High grade corrosion resistant aluminium.
- Safe working load: 500kg.
- Weight 12.5kg.
- Supplied with carrying bag.

Rescue & Evacuation

SELF TAILING WINCH

FEATURES & BENEFITS

Benefits:

- Highly efficient, two speed rope winch for use in conjunction with Quadpod.
- Self-tailing winch keeps both hands free to turn the handle.

Features:

- Power Rib system grips the rope for greater safety.
- At 500kg the grip will start to creep preventing overload.
- Designed for use with 11mm kernmantel rope.
- Weight: 5.45kg

Ref.
10 070 29

SINGLE SWIVEL CHEEK PULLEY

FEATURES & BENEFITS

Benefits:

- Highly efficient single or dual-attachment swing sided pulley for pulley systems and hauling.
- Oil-lite bearings with smooth free-running performance under heavy loads.

Features:

- Aluminium construction.
- Suitable for ropes up to 12.7mm diameter.
- Tensile strength 3kg.
- Lightweight alloy: 0.12kg.

Ref.	Description	Colour
10 070 38	Single attachment	Dark blue
10 102 24	Dual attachment	Purple

TWIN ALLOY RESCUE PULLEY

FEATURES & BENEFITS

Benefits: High efficiency dual attachment pulley

- Double swivel.
- Oil-lite bearings with free-running performance under heavy loads.

Features:

- Dual attachment double swivel cheek pulley for pulley systems and hauling.
- Suitable for ropes up to 12.7mm.
- Tensile strength 3kg.
- Lightweight alloy: 0.28kg.

Ref.	Description
10 070 40	Dual attachment

TELESCOPIC REACH POLE

FEATURES & BENEFITS

Benefit:

- Used to remotely attach the rescue line to the fallen climbers harness.

Features:

- Karabiner is held in an opened position.
- Fiberglass telescoping pole which collapses to 0.8m.
- Length 3.45m.

Ref.
10 178 24

RESCUE ROPE GRAB

FEATURES & BENEFITS

Benefit:

- Attaches to the 'live' rope end and connects to lanyards or ropes to lift the fallen worker.

Feature:

- Suitable for 10/12mm ropes.

Ref.
10 288 07

EDGE PROTECTION

FEATURES & BENEFITS

Benefit:

- Prevents the rope being cut against a sharp edge when lifting or lowering a person.

Feature:

- Stainless steel.

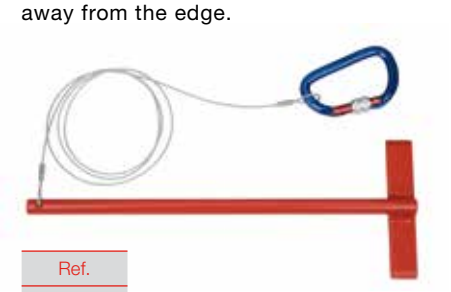
Ref.
10 288 08

Rescue & Evacuation

T-BAR

FEATURES & BENEFITS

Used specifically to raise the rope away from the edge.



Ref.
10 288 09

RESCUE TRIANGLE

FEATURES & BENEFITS

Benefit:
- Rescue triangle is fully adjustable for adults and children

Features:
- Compact and lightweight.
- Suitable for short-duration rescue and evacuation operations of an uninjured casualty.
- Designed to hold the casualty in a sitting position for comfort.
- Weight: 1.164kg

Ref.
10 048 76

Conforms to EN 1498B

EMERGENCY RESCUE SLING

FEATURES & BENEFITS

Benefits:
- Used by many leading rescue services around the world.
- Enhances comfort for the casualty.

Ref.
10 070 63

Conforms to EN1498

Features: Multi-positioning
- Comfortable and easy-to-use rescue sling is based on a helicopter sling.
- Chest strap can be undone and fitted around the casualty while remaining attached to rescue system.
- Adjustable leg straps allow any angle of casualty lift.
- 9mm cell foam padding on the chest strap.
- 2 additional attachment rings regulate the size for smaller casualties.
- Weight: 1.9kg

EVAC BODY SPLINT

FEATURES & BENEFITS

Benefits: Lightweight body splint ideal for confined space evacuation
- Once wrapped around a casualty, it provides a rigid splint.
- Can be used vertically and horizontally.

Features:
- Polypropylene stretcher bed.
- Fitted with foot supports.
- Can be stored in a compact bag and is easy to transport.
- Padded shoulder straps provide extra support and protection for the casualty.

Ref.
10 070 46

Confined Space

TRIPOD

FEATURES & BENEFITS

Benefit: Easily installed by one person

Features: Self-locking and adjustable

- Aluminium tripod.
- Fully adjustable legs lock securely in place thanks to the automatic pins.
- Two anchorage points.
- Supplied with one pulley.
- Weight: 15kg.
- Dimensions: Fully extended: height: 2.1m/leg span: 1.5m.
- Height: 2.1m
- Fully retracted dimension: height: 1.4m – width: 0.4m.
- Breaking strength: > 10 KN.
- Maximum safe working load: 136kg.

Ref.
10 050 41

Conforms to EN 795 (b)

MN20 MANHANDLER® WORK WINCH

FEATURES & BENEFITS

Benefits:

- Compact and robust.
- Both a rescue and material winch.
- Manhandler® is easy to operate.

Features:

- Brake holding – friction disk.
- Housing in steel, yellow chromate plating.
- Mechanical efficiency 5:1.
- Overspeed braking system and load indicator.
- Integrated bracket for tripod.
- Swivel snap hook.
- Maximum charge: 150kg.

Ref.	Length	Description
10 050 42	20m	Lifeline material: galvanised steel cable
10 163 20	30m	Lifeline material: galvanised steel cable
10 050 44	20m	Lifeline material: stainless steel cable

Conforms to EN 1496

MIGHTEVAC® RESCUE/ RETRIEVAL HOIST

Combines the superior performance and reliability for emergency evacuation
15m to 40m - Cable self-retracting lifeline with emergency retrieval winch

FEATURES & BENEFITS

Benefits: Heavy duty performance

- Easy-to-use.
- Used in conjunction with the Miller Tripod and dedicated brackets to form the core of a stable and secure confined entry/rescue system.

Features:

- 4.8mm galvanised or stainless steel cable.
- Quick-activating retrieval winch mechanism.
- Pressed steel housing and compact design.
- Rescue winch (up/down), gear ratio 5:1.
- Corrosion-resistant stainless steel/ aluminum components.
- Convenient, heavy-duty carrying handle.
- Integrated fall indicator.

Ref.	Length	Description
10 051 49	15m	Lifeline material: Galvanised steel
10 051 60	30m	Lifeline material: Galvanised steel
10 051 61	40m	Lifeline material: Galvanised steel
10 143 90	15m	Lifeline material: Stainless steel
10 143 70	30m	Lifeline material: Stainless steel
10 053 30	15m	Brackets for MightEvac®
10 053 31	30m & 40m	Brackets for MightEvac®

Conforms to EN 360

MILLER PULLEY*

FEATURES & BENEFITS

Benefit: Flat and swing sided with large diameter roller that promotes excellent efficiency

Feature:

- Stainless steel pulley.

Ref.
10 114 71

*included with MN10 Tripod

POTEX

Portable pivoting davit column

FEATURES & BENEFITS

Benefits: Easy access to confined spaces

- Mounting plates: Portable davit arm is available with a wide selection of base mountings - to suit temporary/semi-permanent mobile working environments.

Material: Pivoting uni-hoist system

- Integrated rescue winch 30m.
- Adjustable legs to fit most confined space entry.

Ref.
10 029 20

Conforms to EN 795(b)

Fall arrest kits

Miller® makes it easy! Miller Kits are produced specifically to provide industries with an immediate selection of fall protection equipment to suit their requirements. All kits are conveniently packed in backpacks, storage boxes or carrying cases.

ROOFING KIT

Ⓐ Ⓑ

FEATURES & BENEFITS

Benefits: Useful on sloping roofs where retractable lifelines may react too slowly

- Durable, corrosion-resistant.

Features: All your fall protection equipment available in a ready-to-go kit

- 2 point DuraFlex® MA08 harness with rear and front anchorage D-rings.
- 12mm rope lifeline, length 15m.
- Automatic rope grab, 12mm, with 0.3m lanyard and hook.
- Includes free plastic storage box.

Ref.
10 029 09

LOW LEVEL KIT

Ⓐ Ⓑ Ⓒ

FEATURES & BENEFITS

Benefit: Quick activating braking system stops a fall within centimetres

Features:

- 1 point DuraFlex® MA02 harness, rear anchorage.
- 2.5m Self retractable webbing lifeline MI20 with shock absorber.
- Webbing sling, length 0.6m.
- Includes free plastic carry case.

Ref.
10 029 10

MINILITE™ KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefit: Quick activating braking system stops a fall within centimetres

Features:

- 3m self retracting webbing lifeline Minilite with scaffold hook.
- 1 point DuraFlex® MA02 harness.
- Includes free plastic carry case.

Ref.
10 061 03

CONSTRUCTION BACK-PACK KIT

Ⓑ Ⓒ

BENEFITS & FEATURES

Benefits: Adapted lanyard for scaffolding

- Two premium products in a back pack

Features:

- 1 or 2 point DuraFlex® harness.
- 2m elasticated Manyard® with 65mm steel scaffold hook.
- Includes free back-pack.

Ref.	Harness	Description
10 068 83	1 point	MA02
10 078 42	2 point	MA04

SCORPION™ BACK-PACK KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefits: Ideal for low level work

- Quick activating braking system stops a fall within centimetres.

Features:

- 1 or 2 point DuraFlex® harness.
- Scorpion™ self retracting webbing lifeline with swivel scaffold hook and snap hook.

Ref.	Harness	Description
10 086 94	1 point	MA02
10 086 95	2 point	MA04

Fall arrest kits

TURBOLITE™ KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefits: Self retracting lifeline kit approved in fall factor 2

- Ideal for low space clearance.

Features:

- 1 point DuraFlex® MA02 harness.
- TurboLite self retracting webbing lifeline with steel twistlock + aluminium scaff hook.

Ref.
10 281 34

TITAN™ ROOFERS KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefit: Suitable for use on sloping roofs where retractable lifelines may react too slowly

Features:

- TITAN™ 2 point harness with rear and front anchorage (front webbing loops).
- Automatic rope grab with 10m-anchorage line and 30cm attachment lanyard.

Ref.
10 118 95

TITAN PACKAGING

TITAN™ FALL ARREST KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefit: Cost effective kit for fall protection

Features:

- TITAN™ 1 point harness with rear anchorage.
- 2m shock-absorbing lanyard with 2 screwgate karabiners.

Ref.
10 118 96

TITAN™ FALL RESTRAINT KIT

Ⓑ Ⓒ

FEATURES & BENEFITS

Benefit: The ideal restraint solution

Features:

- TITAN™ 1 point harness with rear anchorage.
- 2m restraint lanyard with 2 screwgate karabiners.

Ref.
10 118 97

Fall arrest kits

TITAN™ CONSTRUCTION KIT

B C

FEATURES & BENEFITS

Benefits: Lightweight fall protection kit

- Quick activating braking system stops a fall within centimetres.

Features:

- TITAN™ 1 point harness with rear anchorage.
- TITAN™ Aviabloc 2.5m self retracting webbing lifeline with 2 screwgate karabiners.

Ref.
10 118 98

TITAN PACKAGING

TITAN™ WORK POSITIONING KIT

B C

FEATURES & BENEFITS

Benefit: Allow hands free position

Features:

- 2 point TITAN™ harness with work positioning belt, front and rear anchorage (front webbing loops).
- TITAN™ Aviabloc 2.5m self retracting webbing lifeline with 2 screwgate karabiners.
- Adjustable work positioning lanyard with 2 screwgate karabiners.

Ref.
10 118 99

CASUALTY PULLEY SYSTEM

A C

FEATURES & BENEFITS

Benefits: Easy to install for quick and safe rescue

- Lightweight system enables the rescuer to clip the casualty to his own line and lift them to transfer either onto his system or onto a stretcher.

Features:

- Pulleys, ascender and karabiners fit into a strong carrying bag.
- Maximum length: 2m.
- Weight: 1.2kg.

Ref.
10 070 42

INDY SELF RESCUE KITS

A C

FEATURES & BENEFITS

Benefits: Suitable for use by one-person only

- Ready-to-use evacuation kit.

Features:

- INDY descender – maximum descent speed 2m/s.
- 20m rope with karabiner.
- Anchorage sling.
- Convenient, waterproof storage bag.

Ref.
10 060 26

Conforms to EN 341 and EN 12841/C

Fall arrest kits

DURALITE KIT II & III

NORTH by Honeywell

FEATURES & BENEFITS

Benefit:

- The best of the best: 2 top products combined in 1 kit!

Features:

- Duralite fall arrest block with Dyneema webbing
- Rite on comfortable vest style full body harness
- FP81 karabiner
- Packed in black/ yellow backpack

Ref.	Designation
839460.W6	Duralite II .with 6m Dyneema webbing
839460	Duralite III .with 3.6m Dyneema webbing

Duralite II

Duralite III

ACCESSORIES

TOOL BANDIT™

BENEFITS & FEATURES

Benefits: Prevent tools from dropping that can cause serious injuries on the worksite

- Can be fixed to the worker's belt or wrist.
- Designed to secure the tool whilst still allowing freedom of movement.

Features:

- Lanyard with karabiner and wrist fixing system.
- Maximum load: 2.5kg.

Ref.	Description
11 002 10	Display box with 12 Bandit™ Lanyard Tool holders
10 145 91 one each	Tool Bandit™
10 124 91	Bulk bag of 36 Wrist Bandit™ tool holders

MILLER RELIEF™ STEP

BENEFITS & FEATURES

Benefits: Alleviate the effects of suspension trauma

- The Relief™ Step can be attached to any harness brand.
- Easily deployed for a short term solution to the worker's safety and comfort.

Feature:

- Easy to deploy webbing.

Ref.	Description
11 002 11	Display box of 12 pairs
10 315 70 one pair	Miller Relief™ Step

COWSTAIL SLING

BENEFITS & FEATURES

Benefits: Reliable connecting device with reinforced loops at end

- Lightweight.

Features: Dyneema 15mm

- Used to attach a variety of ancillary devices.
- Sling with reinforced loops at each end.
- Suitable for connecting different devices within an access or rescue system.

Ref.	Length
10 070 59	30cm
10 070 58	60cm

Conforms to EN 354 and EN 566

EDGE ROLLER

BENEFITS & FEATURES

Benefit: Designed to protect the rope when used on abrasive edges

Features:

- Highly durable stainless steel shaft and brass bearings.
- 50mm wide roller allows the simultaneous use of 3 ropes.

Ref.
10 070 43

CLIMBERS HELMET

BENEFITS & FEATURES

Benefit: Protects from impacts from above and side

Features:

- Polypropylene climbers helmet with fully adjustable cotton lining and good air circulation reduces the build up of moisture.
- Comfortable skull webbing and chin strap.
- Fitted with attachment point for head torch.

Ref.	Colour	Weight
10 309 40	White	400g
10 070 48	Red	410g

Conforms to EN 397 and EN 50365

Accessories

ROPE PROTECTOR

FEATURES & BENEFITS

Benefit: Designed to protect the rope against abrasion and cutting eg. on buildings or construction site

Features:
- PVC reinforced rope protector.
- Easy-to-fit with velcro seam.

Ref.
10 102 14

PLASTIC BOX

FEATURES & BENEFITS

FEATURES: Plastic storage box

Dimensions: 800x400x300mm.

Ref.
10 044 71

INDUSTRIAL CLIMBERS SEAT

FEATURES & BENEFITS

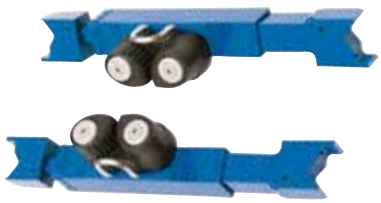
Benefit: Seat offers a comfortable supported position for the operator

⚠ Use in conjunction with a suitable safety harness.

Features:
- Padded seat with waterproof, abrasionresistant PVC coated nylon covering.
- Supplied with two connectors.
- Adjustable straps for perfect fit.
- Complete with convenient attachment points for accessories.

Ref.
10 070 56

KIT BLOCK



FEATURES & BENEFITS

Benefits: Secures foot of a ladder to prevent slipping
- Avoid all risks of fall over or slipping.
- Fix safely the ladder.

Features:
- Kit including 2 fixing blocks and a 8m rope.

Ref.
10 029 97

SPORT BAG

BENEFITS & FEATURES

Features:
- Polyester with central zip fastener.
- 2 large carrying handles and shoulder strap.
- Dimensions: 590x270x270mm.
- Weight: 0.740kg.

Ref.
10 028 65

PERSONAL PROTECTIVE EQUIPMENT BAG

BENEFITS & FEATURES

Features:
- 3 outside pockets.
- 2 large carrying handles and 1 shoulder strap.
- Dimensions: 500 x 330 x 250mm.
- Weight: 0.938kg.

Ref.
10 044 54

BACK PACK

BENEFITS & FEATURES

Benefit: Large capacity

Features:
- Heavy duty blue PVC Back Pack.
- Shoulder straps.
- Quick connect buckles.

Ref.	Capacity	Height
10 044 43	30l	410mm
10 044 44	60l	650mm

Miller Revolution™ accessories

The PivotLink™ Connection provides an attachment point for a multitude of accessories and individual tool pouches with an innovative design that accommodates: tools, mobile phones, water bottles and more, accessories are easily attached and detached – distributing weight across the hips and shoulders for a more comfortable fit and greater mobility, universal attachment clips fit on your existing accessories or tool rig and easily attach/detach

OPEN BOLT & BULL PIN BAG

FEATURES & BENEFITS

1. Accessories have a female clip that attaches and locks over the male connection point.
2. Once attached, the accessory pivots to maintain a level position.
3. Easily remove and /or change accessories for convenience by simply lifting from connection point.

Ref.	Size
10 142 73	LARGE
10 142 74	MEDIUM

CELL PHONE HOLDER + CONNECTOR

Ref.	Size
10 142 70	MINI
10 142 71	REGULAR

SNAP TOGETHER CLIP FOR MINIPHONE HOLDER

Ref.	Description
10 156 15	SNAP TOGETHER CLIP FOR MINIPHONE HOLDER

WATER BOTTLE HOLDER*

Ref.
10 142 72

**Bottle not included*

Miller Revolution™ accessories

SELF ADHESIVE LABELS X 10

Ref.	Colour
10 142 78	Blue
10 142 79	Yellow
10 142 80	Red
10 142 81	Green

PADDED HAMMER LOOP

Ref.
10 160 80

LARGE TOOL BAG WITH HAMMER LOOPS

Ref.
10 150 50

SHOULDER / LEG PADS

Ref.
10 142 76

REVO 2 POCKET NAIL AND TOOL POUCH

Ref.
10 142 75

ZIPPED CYLINDRICAL UTILITY POUCH

Ref.
10 155 10

MILLER SERVICES

MILLER TECHNICAL SERVICE/ TECHNISERV

Miller Technical Service provides personal one-on-one assistance for your safety at height questions. Staffed with experienced professionals, they are ready to immediately respond to your telephone call with the answers you need to safely operate your business.

OUR TECHNICAL EXPERTISE IS AT YOUR SERVICE FOR ANY QUESTIONS REGARDING:

- Recommendations on products linked to a specific application or sector
- Any technical request on our Miller product specification
- After sales management – inspection & return
- Specific product requests
- Product certifications & standards
- Requests on instruction sheets – technical sheets

TECHNISERV Northern Europe
Tel.: +49 (0) 23 01-96 29 219
and/or +49 (0) 23 01-96 29 220
Mail: techniservnorth.hsp@honeywell.com

TECHNISERV Southern Europe
Tel.: + 33 (0) 2 48 52 40 42
Fax: + 33 (0) 2 48 52 40 76
Mail: techniserv.hsp@honeywell.com

MILLER FALL PROTECTION TRAINING

LEGISLATION REQUIREMENT

Training is an essential part of any safety program. The employer is responsible for ensuring that any person working at height is fully informed regarding the correct use of PPE and systems.

FUNDAMENTAL FALL PREVENTION/ PROTECTION TRAINING

The legislation states that a fall arrest system must be used when working at a height where a fall hazard exists. This system consists of:
- Anchorage point/anchorage connector
- Body wear – full body harness
- Intermediate attachment.

TOTAL TRAINING SOLUTIONS

Miller Training Programs are considered to be a central part of their global fall protection offer, and provide awareness, knowledge and the skills necessary to ensure safety on the worksite to suit all areas of industry and the emergency services. Taught by field-experienced, professional instructors, the training sessions include live demonstrations and hands-on training, while addressing site-specific variables and performance requirements of fall prevention and protection.

In addition, Miller Training offers a comprehensive list of height safety courses conducted at a customer's facility or at the Miller Innovative Technology & Training Centres:

- Construction: Steel Erectors, Scaffolding and Roofing
- Telecommunications
- Electricity
- Wind Energy: simulator
- Oil & Gas
- Rope Access
- Confined Space
- Cleaning
- Ski Lifts
- Maintenance
- Rescue and Evacuation

MILLER SERVICE CENTRES:

- **inspection**
- **repair**
- **maintenance**

Miller® offers to the users of its products a service to inspect, repair and maintain devices locally, quickly.
Miller service points are trained then certified by technicians, store necessary spare parts for a repair and maintenance of Miller equipment according to maintenance guide.

Contact your closest centre for an answer adapted to your request.

For further information on our range of Industrial Fall Protection training courses, please contact your local Honeywell Sales office or Fall Protection Representative to customise your personalised training courses.

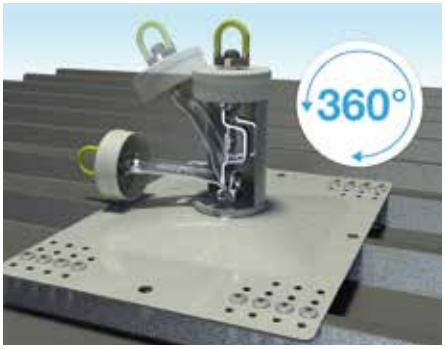
Permanent Fall Arrest Systems

SÖLL FUSION® ROOF ANCHOR POST

Söll Fusion® single anchorage point absorbs energy and keeps forces close to the roof surface. The single anchorage point is tested for connecting up to 2 people while maintaining loads on the structure below 10kN.

360° protection : In the event of a fall, the Söll Fusion® Roof Anchor Post bends in the direction of the force, the built-in, energy-absorbing component activates and the base remains securely attached to the roof surface.

Söll Fusion® Roof Anchor Post conforms to EN795 Class A.



SÖLL SHOCKFUSION® HORIZONTAL LIFELINE SYSTEM

Designed for light weight industrial and commercial roof applications.

The Söll ShockFusion® horizontal lifeline (HLL) system reduces fall distance (minimised line deflection) while effectively managing system forces to maintain a safe connection to a variety of roof structures. The unique surface-mounted design eliminates the need to penetrate the roof structure, making installation quick and easy while reducing labour costs.

- **Unique engineered Söll ShockFusion® design :**
  - Successfully tested for spans up to 20 m
  - Designed for up to 6 users (with max. 4 users within the same span)
  - Guarantees loads on the roofing structure < 10 kN
- **Increased mobility and safety for working at height :**
  - End and corner posts effectively manage system forces without tipping over through a built-in energy absorbing component
  - Resulting in minimized line deflection (reduced possible fall distance)
    - Allows installation at a nearer proximity to the roof edge
    - Easier rescue provided in case of a fall
- **Durable design for long-lasting, reliable installation**
- **Time-efficient and cost-effective installation**
- **Maintains a safe connection to a variety of roof structures :** membrane, standing seam, trapezoidal metal sheeting, concrete

Söll ShockFusion® HLL system conforms to EN795 Class C.

Söll ShockFusion and Söll Xenon are available

SÖLL XENON® 2.0 HORIZONTAL LIFELINE SYSTEM

Designed for industrial applications (crane runways, loading bays...) and roofing.

FEATURES & BENEFITS

- Conforms to EN 795:2012 standard
- Guarantees structural integrity and protects up to seven workers
- The unique multi-functional shock absorber prevents damage to a variety of structures
- The standard and overhead shuttle have excellent sliding performance

The Söll Xenon 2.0 Horizontal Lifeline System is an innovative height safety solution that conforms to new EN 795:2012 standards and regulations*. It's a high quality, durable system made of corrosion resistant stainless steel and is ideally suited to industrial applications like working on crane runways, loading bays and roofs. The system also doubles as an anchorage point to easily rescue workers should they fall. If a fall occurs, this effective system ensures structural damage is prevented.

The Lifeline System incorporates a unique, state-of-the-art shock absorber, which uses patented Miller 'Force-dispersal Technology' to provide fall protection for up to seven workers across a maximum span of 20m (1X19 cable, 8mm wide), depending on the line configuration.

The new Söll Xenon energy absorber functions as a four-in-one device: a tension indicator, a cable tensioner, an energy absorber and a fall indicator. Only one energy absorber is necessary for all installations, irrespective of whether it's an overhead or standard installation (on posts or against walls).

A new Söll Xenon overhead shuttle completes the system allowing for heavy usage with self retractable lifelines up to 20kg.

Compliance and testing

The Söll Xenon 2.0 Horizontal Lifeline System complies with EN 795:2012, the latest European standard for anchor devices*.

- To demonstrate that the system would prevent structural damage following a fall as well as provide anchorage to rescue workers, it successfully passed a dynamic strength and integrity test with a mass of 100kg, plus a further 200kg for three minutes.

- To prove how effective the Miller 'Force-dispersal Technology' would perform if up to seven workers fell consecutively the system was put through a 'multiple fall' test. A test mass of 200kg (representing two workers) was initially dropped followed by five more masses weighing 100kg each (representing five workers). To test for structural integrity, an extra 650kg was added to the load for three minutes.

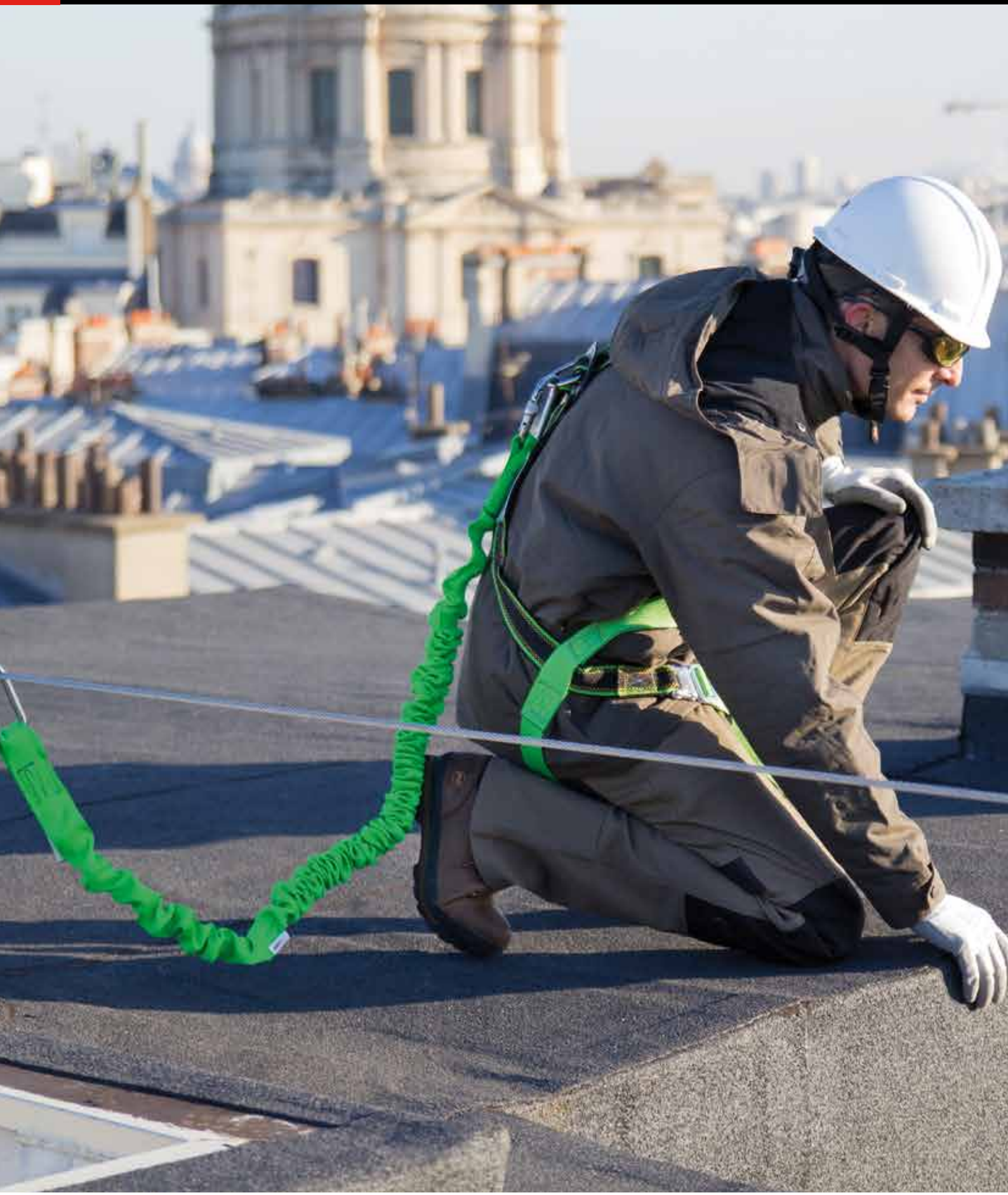
**System also complies with the requirements of OSHA, ANSI and AS/NZS*

Standard shuttle

Overhead shuttle

for Miller trained professional installers only.

Permanent Fall Arrest Systems



SÖLL SAFELINE™ 2.0 HORIZONTAL LIFELINE SYSTEM

Designed for rigid roof applications.

FEATURES & BENEFITS

- Exceptional shock absorber guarantees structural integrity for roofing applications following EN 795:2012 standard
- An easy to install system with few components that protects up to three workers
- System doubles as anchorage to rescue fallen workers

The Söll SafeLine 2.0 Horizontal Lifeline System is an easy to install anchorage device, ideal for roofing applications. The system consists of a limited number of components that need no specific tooling.

The Söll SafeLine 2.0 Horizontal Lifeline System conforms to new EN 795:2012 standards and regulations. It's a high quality, durable system made of corrosion resistant stainless steel and is ideally suited to roof installations. The system also doubles as an anchorage point to easily rescue workers should they fall. If a fall occurs, this effective system prevents structural damage.

The Lifeline System incorporates a unique, state-of-the-art shock absorber, which uses Miller patented 'Force-dispersal Technology' to provide fall protection for up to three workers across a maximum span of 15m, depending on the characteristics of the lifeline.

Easy to install shock absorber with exceptional performance

The Söll SafeLine absorber can be easily and rapidly fixed with the axles and pins provided. The black shrink tube around the shock absorber is UV-resistant.

The shock absorber has been designed to disperse energy during a fall to protect both workers and the roof structure. Its patented 'Force-dispersal Technology' ensures that energy is distributed evenly when the shock absorber is deployed.

Easy to order kit with installation essentials

Söll Safeline is proposed as a kit containing the new shock absorber, a tensioner with integrated tension indicator, cable end clamps and an identity plate. Additionally to these essential components, only intermediate parts and the correct cable length need to be ordered.

Söll SafeLine can only be installed by qualified installers who have undergone appropriate training.

Permanent Fall Arrest Systems

SÖLL GLIDELOC® SAFE CLIMBING SYSTEM

Söll GlideLoc® Safe Climbing System, permanently installed on buildings, towers, masts, etc… comprises a guided type fall arrester, vertical and horizontal guide rails or fall protection ladders, and a wide range of mounting brackets and accessories that adapt the system to most structures.

Enhanced Safety

In contrast to temporary rope systems, Söll guide rails withstand constant wear and tear and allow a combination of vertical and horizontal access without having to disconnect.

Versatility

Available in both straight and curved form in a variety of materials to suit the work environment. Guide rails can be retrofitted to existing ladders.

User Comfort and Ergonomics

The fall arrester glides smoothly along the rail without any manual guidance, reducing user fatigue. This is the only system that allows the user to lean forward or backwards.

Economic

Designed to withstand the toughest environmental conditions, Söll fixed systems offer a long-term economical investment with minimal maintenance.

Söll GlideLoc® systems are available as ladders as well as guide rails.

Fall protection ladders have an integrated guide rail for the guidedtype fall arrester in the centre. They are available in aluminium, galvanized steel and stainless steel, either with or without side stringers:

Anodized Aluminium:

For high corrosion and distortion resistance, good appearance and ergonomic support

Hot dipped galvanised steel:

The cost effective solution for general applications.

Stainless steel:

Suitable for harsh environments such as chemical plants, food industry, off-shore and industrial chimneys and shafts.

Comfort

The triple action karabiner is self locking and made from light-weight aluminium. It ensures extremely short arrest distances and low arrest forces.

Ref.
22697

UNIVERSAL II

can be inserted into or detached from the rail at any location. The body and the opening mechanism of the patented fall arrester are made from stainless steel.

Ref.
23531

Comfort²

Made entirely of **stainless steel.** The functional design of COMFORT² is identical to the aluminium shuttle and offers additional advantages since it is designed for severest stress, is extremely durable and easy to clean.

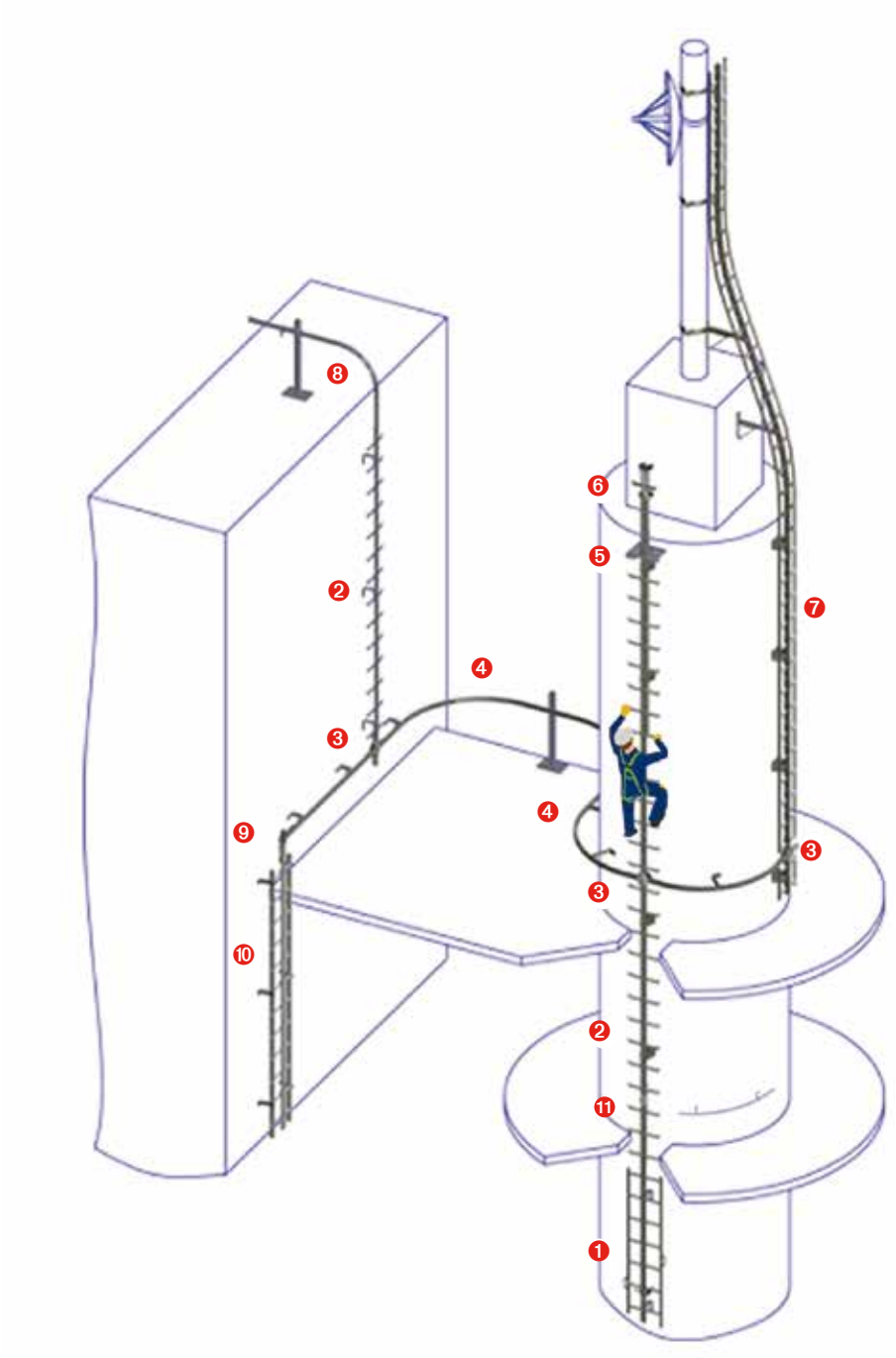
Ref.
23331

COMFORT UK

This triple action karabiner is self-locking and has strap webbing for rescue actions which require the cutting free of the injured person.

Ref.
23109

Permanent Fall Arrest Systems



❶ Söll PivotLoc
The foldable ladder system prevents unauthorised persons from climbing the ascent route and is visually much less obtrusive than a ladder. (see page 394).

❷ Y-Spar
Cost-effective alternative. The low surface area keeps wind loads applied to the sub-structure to a minimum.

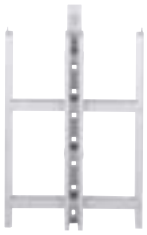
❸ Turntable
Allows safe continuous transfer from ladders to horizontal rail and vice versa without disconnecting.

❹ Horizontal guide rail
Available both straight and curved, which allows safe access along narrow platforms.

❺ Folding footrests
Must be provided as rest platforms at regular distances in case of high ascent routes for added safety.

❻ Rotary exit section
Rotary exit section
Climbers can safely access and egress the top of the guide rail while standing on the upper platform.

❼ Twin ladder
The operator can glide his hands along the side stringers when ascending without having to hold onto the rungs. Ideal for dirty surroundings. Offers high distortion resistance.



❽ Twisted change-over rail
Allows a climber to move safely onto a roof or a platform away from the edge of the roof before disconnecting from the system.

❾ Ho-ver turn table
Simple means of changing direction from the end of a vertical rail to a horizontal rail and vice versa.

❿ Vertical guide rail
Can be assembled on existing ladders, step irons etc. An ascent route protected in this way offers the same protection as Söll safe climbing systems.

⓫ Exit section
A climber can detach the fall arrester from the rail after ascending and insert it into the rail before descending.

Permanent Fall Arrest Systems

SÖLL PIVOTLOC LADDER

The foldable ladder system

Söll PivotLoc is a foldable ladder system with incorporated GlideLoc fall protection rail. In the closed position, the rungs pivot together behind the central guide rail.

Access Prevention

The Söll PivotLoc aluminium ladder system is a cost effective, innovative alternative to the cover plate. Through its unique and award winning design the Söll PivotLoc can be closed when not in use thus preventing unauthorised access. The Söll PivotLoc can be locked while working in the open state, so as to prevent an operator from being trapped accidentally.

Discreet

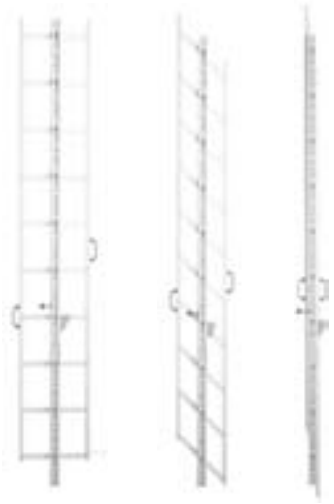
Once the side rails have been folded together, the ladder is very discreet (105 mm wide in the closed position) thus meeting architectural and planning requirements for an “invisible” height access system.

Versatile

Söll PivotLoc can be used in conjunction with all other Söll ladder systems. Side members are light and easy to move since their weight is counterbalanced. The side rails offer additional support to the user when climbing and descending.

Robust

Manufactured from saline-resistant anodised aluminium. The system attracts minimal wind and snow loads when closed.



SÖLL VI-GO - VERTICAL STEEL CABLE FALL PROTECTION SYSTEM

Söll Vi-Go is a fall protection system that can be retrofitted onto existing climbing devices such as ladders or rungs used in wind turbine, power supply, telecommunication or other industry.

It is basically made up of a steel rope or cable (three different types), fastening elements and a guidedtype fall arrester.

Safety for all users

Each fall arrester is equipped with a shock absorbing element made of stainless steel which is unique to Miller by Honeywell.

Ref.	Description
10 172 71	Söll Vi-Go Shuttle
10 176 81	Söll Vi-Go Shuttle (with rotary swivel karabiner)

SÖLL MULTIRAIL - HORIZONTAL RAIL-BASED ANCHORAGE SYSTEM

Horizontal anchorage systems: Where is the difference?

The cable lifeline deflection is limited

Can also be used as a handrail

Compared to cable systems and anchorage points, horizontal guide rails offer the advantage that they also can be installed as handrails.

Energy distribution via multiple intermediate brackets

In case of a fall, the forces are absorbed by several intermediate brackets and not just by both of the end-fixings, as is the case with cable systems, or by a single point, as it is the case with anchorage points. The rail can absorb retention forces of up to 100 kg (220 lbs.) without permanent deformation. The rail is not fixed in the intermediate brackets, enabling thermal expansions to be accomodated.

Greater fixing spans

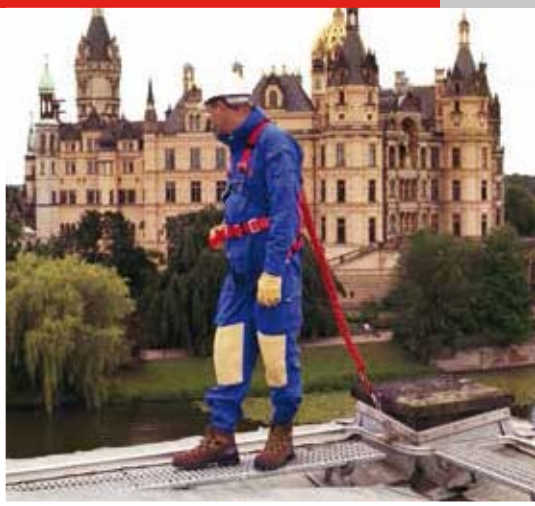
Söll MultiRail offers the advantage of greater fixing spans up to 6 m (13 ft.) and can be used by more people at the same time (up to 6).

The openable glider can be attached to the rail at any point. It can be opened and closed by turning the knurled-knob.

Innovative and versatile

The Söll MultiRail horizontal anchorage device is often used in the following sectors: Store-fronts, Flat roofs or steep roofs, Working platforms on masts and buildings, Hangars, Shipyards, Cranes, Industrial plants etc.

With the Söll MultiRail system, vertical sections of up to 1 m (40 in.) are allowed.



Openable shuttle

Can be detached and re-attached at any point along the rail

Ref.
17792

Wheeled shuttle

For overhead applications, articularly effective where heavy retractable fall arresters are used.

Ref.
24168

Closed shuttle

Robust, easy to use and low cost,operates with a gliding action.

Ref.
17407